

Jason Hernandez

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Summary

Dedicated student looking to gain work experience and build a stronger foundation of skills by working on real engineering projects for actual clients.

Education

Bachelor of Science COMPUTER ENGINEERING May 2015
California State University, Fresno
GPA: 3.19

Skills Summary

- Languages: C++, C, Java, Verilog, Assembly
- Tools: FactoryTalk ViewStudio, RSLogix 5000, ProposalWorks, AssuranceEstimate, Multisim, Matlab
- Microsoft Office: Word, PowerPoint, Excel, Outlook
- Operating Systems: Windows XP, Vista, 7, 8, Android
- Great Communications Skills
- Solid understanding of circuit analysis

College Project Experience

- Final Project for Microprocessor Lab 'Whack-A-Mole' -Oct 2013 to Nov 2013
 - Designed whack-a-mole like game on a PIC16 using assembly
 - Generated random patterns of three LEDs that user had to replicate with pushbuttons
- Final programming project 'RISK' -March 2012
 - Programmed the game of 'Risk' using MATLAB programming language

Employment History

- FIRST Robotics Competition Mentor- Programming/Electronics Mentor for Clovis East High School Robotics Team. -June 2013 to Present
- Rockwell Automation- Field Service Intern - July 2014 to Present
 - Assisted engineers on site with installing/repairing Rockwell products
 - Wrote a program that runs reports on data in an excel file.
 - Provided quotes customers for Scope and BOM for projected projects
 - Accompanied sales engineers to address customer concerns or projects

JUAN MEJIA

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OBJECTIVE

To obtain an internship at a company or organization that will help me develop professional habits and skills.

SKILLS

- Speak, read, and write Spanish fluently
- Experience with Arduino
- Excellent communication skills
- C++
- MATLAB
- SolidWorks
- Ability to work in a team structure and fast-paced environment
- LabVIEW and DAQ devices
- Project management
- Control systems
- Data monitoring and logging

EDUCATION

California State University, Fresno (Fresno State)

Bachelor of Science, Electrical Engineering, *May 2016*, 3.27 GPA

- Selected as group leader in Professional Development course throughout semester to final project & presentation
- Led group of 4 students to having the most successful “business” and “product”

College of the Sequoias, Visalia, CA

Associate of Science, Engineering, *May 2013*, 3.46 GPA

Associate of Science, Mathematics, *May 2013*, 3.46 GPA

INTERNSHIP EXPERIENCE

Engineering Intern, Gusmer Enterprises, Fresno, CA

July 2014 – Present

- Led project to implement controls system in an already existing step of a manufacturing process
- Implemented a data monitoring and logging component to the same system
- Worked with Excel spreadsheets to organize company suppliers
- Worked with LabVIEW to construct code that would execute monitoring, data logging, controls
- Independently put together a list of parts that would be needed for my system and put together an estimate
- Held meetings to show progress on project and request feedback

Intern, International Computer Science Institute (ICSI) Berkeley, CA

May 2013 – September 2013

- Helped Dr. Gordo’s team conduct research on digital literacy in California
- Responsible for the Visalia territory
- Translated participant quotes from Spanish to English
- Called house-to-house in order to try to persuade people to participate in our study
- Recorded data from the participants in Excel spreadsheets
- Organized and held focus groups

WORK EXPERIENCE

Sales Associate, Ecko, Fresno, CA

September 2013-Present

- Responsible for ensuring every customer has a pleasant shopping experience
- Worked in the stock room unpacking and storing incoming clothing, as a cashier, and have worked the “floor set”
- Experience in closing the store, which includes counting money in the registers and generally cleaning the store
- Chosen to work as cashier for Black Friday 2013, in which we made more than \$40,000 in 24 hours

Sales Associate, Aéropostale, Tulare, CA

October 2010-August 2013

- Responsible for ensuring every customer has a pleasant shopping experience
- Worked in the stock room unpacking and storing incoming clothing, as a cashier, and have worked the “floor set”
- Experience in closing the store, which includes counting money in the registers and generally cleaning the store
- Chosen to work as cashier for Black Friday 2011 and 2012, in which we made more than \$100,000 in 24 hours

JONATHAN MEZA

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Fresno, California, 93701

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OBJECTIVE

Enthusiastic computer engineering student eager to apply knowledge in a real world company.

EDUCATION

California State University, Fresno (Fresno State)

Bachelor of Science, Computer Engineering, Expected: May 2016, Overall GPA: 3.844, Major GPA: 3.866

SKILLS SUMMARY

Programming Languages:

- C / C++
- Java
- PHP / MySQL
- Javascript
- Python
- Ladder Logic / Structured Text

Other:

- Matlab
- Multisim
- GIT / SVN
- MPLAB / Assembly
- Microsoft Visual Studio
- RSLogix / FactoryTalk

WORK EXPERIENCE

Engineering Intern, Serpa Packaging Solutions July 2014 to Present

- Developed a console/GUI program (Python) to convert Material Cost Analysis (MCA) reports from plain text into Excel files, for easier purchase order reconciliation. Currently being used by ME/EE departments.
- Assisted in constructing Human-Machine Interface (HMI) for cartoner assembly machine
- Redesigned Microsoft IIS server code (PHP) used by PackStat mobile app (web/Android/iOS, for viewing statistics and statuses of packaging assembly machines) for speed, safety, portability, and scalability
- Engineered algorithm for FANUC spider bot that sorted trays of blisters of contact lenses in the least amount of time and movements as possible
- Corrected Omron PLC program (Ladder Logic) that controlled Kalamazoo saw used by metal shop

HONORS AND AWARDS

| | |
|---|--------------------------|
| Member , Smittcamp Family Honors College, Fresno State | Fall 2011 to Spring 2015 |
| Recipient , President's Honors Scholarship | Fall 2011 to Spring 2015 |
| Recipient , Charles C. Buckley Engineering Scholarship | Fall 2013 |
| Offered , Leon S. Peters Engineering Endowed Scholarship | Fall 2014 |

RESEARCH AND PRESENTATIONS

Unmanned Aerial System (UAS), Fresno State Fall 2013 to Present

- Implemented an interrupt-driven ring FIFO buffer system to be used by the HAL to serially send and receive data via the UART modules for Gimbal/accelerometer peripherals
- Actualized TASE Gimbal communication using buffer system to send and receive data packets for command/control and position information
- Assisted in completing codebase for SPI/UART communication with accelerometer (SBG)

"Unmanned Aerial Systems Research at Fresno State", California Space Grant Consortium, NASA March 2014

- Presenters: G. Dzhezyan, G. Leyva, C. Livingston, J. Meza, J. Wenzel

PROJECTS

- Strat150 (Online Multi-player Game), Fresno State Fall 2012 to Spring 2013
- Coded the server manager (in PHP) to receive client information for use in registration, authentication, and login, write JSON-encoded orders for the server simulator, and to return JSON-encoded digests for the client
 - Developed a rules editor UI (in C++/CLI) to facilitate the editing of game rules that would be used by the client and the server simulator
 - Wrote significant portions of the server simulator (in C++) that would load orders written by the server manager, execute orders in the main World class, and produce a digest for each player

AFFILIATIONS

- Corresponding Secretary**, Eta Kappa Nu, Fresno State Spring 2014
- Recording Secretary**, Eta Kappa Nu, Fresno State Spring 2014
- Member**, Institute of Electrical and Electronics Engineers (IEEE), Fresno State Spring 2014 to Present
- Member**, Eta Kappa Nu, Electrical and Computer Engineering Honor Society, Fresno State Fall 2013 to Present
- Member**, Tau Beta Pi, Engineering Honor Society, Fresno State Spring 2013 to Present

Joe Vang
4504 E. Clayton Avenue, Fowler, CA 93625
Mobile: (559) 284-2321
E-mail: jvang93@mail.fresnostate.edu

Education:

California State University, Fresno (May 2016)
Bachelor of Electrical Engineering GPA: 3.65

Skills:

- Experience with Ladder logic, C, MATLAB, and PIC16F84A Assembly programming languages
- Advanced Circuit Designs & understanding of filters
- Digital Logic
- Understanding of PLCs, switches, Motor Control Centers, and communication between devices.

Internship Experience:

- Paramount Farms, Firebaugh, CA (June 2014 – December 2014)
 - Configured both electrical and digital components for Motor Control Centers
 - Code and edited ladder logic with RSLogix 5000.
 - Wired power and control power to individual buckets and the control panel.
 - Calibrated and configured sensors; thermal, pressure, and laser proximity sensors.
 - Control room operator
 - Controlled and oversaw the plant's operation during harvest season.
 - Assisted with setting up communication network for the plant
 - Set up a security network including configuring and installing cameras
 - Worked with server rooms, switch panels, and device networks.

Design Projects:

- Binary – Decimal matching game: Designed and coded a PIC16F84A microcontroller for Keypad and LED interfacing for a two player memory based matching game.
- BoeBot Car: Built and designed a BoeBot car in Basic Stamp to receive signals from an inferred remote controller and perform tasks through wireless communication.
- Battleships: Coded a digital version of Battleship using C programming with options of player versus computer (artificial intelligence) or player versus player.
- Monopoly: Used MATLAB to generate a Graphic User Interface and simulated a digital version of the board game Monopoly using pseudo classes and matrices.

Other Experiences:

- IEEE (At CSU, Fresno) (January 2014 – May 2014)
 - The largest professional association for the advancement of technology
 - Offers its members multiple career development tools such as networking and essential technical information.
- MESA Saturday Academy (At CSU, Fresno) (October 2013 – March 2014)
 - Provide tasks and experiments for students which call for the application of scientific and engineering concepts.
 - Judged and officiated MESA Science
- Society of Asian Scientists and Engineers (SASE) (September 2013- May 2014)
 - Involved in MESA Saturdays and volunteer work
 - Provides a career based network medium for Asian scientists and engineers

Awards:

- Dean's List (Fall: 2011, 2012, 2013 and Spring: 2013 and 2014)

Joe Vang
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Mobile: (559) 284-2321
E-mail: jvang93@mail.fresnostate.edu

- Nominee for United States Achievement Academy Scholarship Award (2010-2011)

Santiago Cerda

718 Palm Avenue ➤ Sanger CA 93657 ➤ (559)285-4240 ➤ cerda2481@gmail.com

Education

- **California State University-Fresno**
 - Industrial Technology Major
 - GPA: 3.62
 - Expected Graduation: May 2016
- **Reedley College**
 - AS in Welding (2013)
 - Manufacturing and Machinist certificates
 - Welding certificate

Project Experience

- **Thinking Machine Project**
 - Fabricated various parts of aluminum and steel using lathes and milling machines.
 - Made various parts reading off blue prints with close tolerances
 - Assembled parts together
- **Beverage Coaster**
 - Fabricated aluminum parts with milling machine and lathe
 - Made various small parts reading off blue prints with close tolerances
- **Welding Certification Tests**
 - Reedley College Certified in FCAW
 - Reedley College Certified in SMAW

Skills

- Computer Skills: Proficient with Word, Power Point, Excel, and internet research
- Ability to communicate efficiently
- Bilingual: English and Spanish
- Basic turning and milling process on lathe
- Welding experience through school

Professional Experience

- BETTS COMPANY, Fresno, CA July 2014 – Present
- Position: Industrial Engineer Intern
 - Process flow evaluation of production line
 - Implementation of lean manufacturing and various lean projects
 - AutoCAD/Draft Sight projects
- THE HOME DEPOT, Selma, CA December 2013 – August 2014
- Position: Freight Associate
- FOWLER PACKING CO., Fresno, CA May 2012 – October 2012/2013 Seasonal Position:
Position: Shipping Office Attendant
 - Making bill lading forms and supervising loading docs
 - Organizing loading docs
- TRINITY PACKING CO., Reedley, CA June 2010/2011 Seasonal
Position: General Labor in Packing House

Kevin Augusto

Objective

Seeking an internship in the Valley Industry Partnership for Cooperative Education Program where my education and extensive skills will be further developed and utilized.

Education

Bachelor of Science in Mechanical Engineering **May 2014**
California State University, Fresno
GPA: 3.85

Associate of Science in Engineering **May 2012**
West Hills College, Lemoore
GPA: 3.83

Skills Summary

Computer Software

- ◆ SolidWorks – advanced assemblies, drawings, simulation studies
- ◆ AutoCAD – 2D drafting, draw and integrate parts in complex machine layouts
- ◆ MATLAB – matrix manipulations, function plotting, implementation of algorithms
- ◆ ANSYS – simulation analysis under various conditions (e.g. static loading and heat transfer)
- ◆ Arduino – microcontroller programming, code debugging

Mathematics

- ◆ Calculus – differentiate and integrate functions with real-world applications
- ◆ Linear Algebra – matrix operations, determinants, linear transformations, vector spaces
- ◆ Statistics – analysis of uncertainty and risk for engineering applications

Professional Experience

Serpa Packaging Solutions, Visalia CA **July 2014 – Present**
Mechanical Engineering Intern

- ◆ Designed parts incorporated in packaging machines, meeting client specifications and industry quality
- ◆ Modified the design of machine components, ensuring flawless performance during testing and debugging
- ◆ Prepared part drawings and assembly prints in AutoCAD for machining and fabrication
- ◆ Developed standard mechanical components used on multiple machines

Project Experience

High-Speed Carton Rotation System **January 2014 – May 2014**

- ◆ Worked with a five-member team to design and analyze a concept capable of rotating various sized cartons 90 degrees at a rate up to five boxes per second
- ◆ Fabricated and tested a working prototype within a \$1,500 budget, demonstrating proof of concept

LineBot **August 2013 – December 2013**

- ◆ Developed a remote controlled robot operated with an Arduino Uno microcontroller able to detect and follow designated paths
- ◆ Wrote the Arduino code for the robot to accomplish remote control and line following techniques

iTactical iPhone 5/5s Case **August 2013 – December 2013**

- ◆ Devised a multifunctional iPhone 5 case equipped with a knife blade, multi tool, and a USB drive
- ◆ Worked through a design process involving the production of a customer needs, house of quality, concept development, detailed design, and economic study

Speed Reducer **June 2013 – August 2013**

- ◆ Designed a gear box with a speed reduction ratio of 3.15:1 for a 6 horsepower input
- ◆ Analyzed with SolidWorks to confirm hand calculations for stresses on gears, shafts, bearings, and casing

Harpreet Kalsi

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OBJECTIVE:

Seeking an internship in the field of Mechanical Engineering industry that will allow me to utilize my experience, knowledge, analytical and leadership skills

EDUCATION:

CALIFORNIA STATE UNIVERSITY– Fresno, CA
B.S. Mechanical Engineering
Honors Received: SAE BAJA Engineering Club

August 2012 – May 2014

FRESNO CITY COLLEGE– Fresno, CA
A.S. Engineering and Mathematics

August 2010 – May 2012

Honors Received: Dean's list Recipient Fall 2010-Spring 2012, Science & Engineering Club, Phi Theta Kappa Honor Society

MECHANICAL DESIGN EXPERIENCE:

- As-build and designed Sonar Sensor Mount for Huller 9 using Autodesk Inventor software
- Redesigned the Dryer, Chute Adjusting Lever, and Catwalk Stair for it to work more efficiently.
- Designed the Maghopper safety Guardrails & Dryer Bump Stops at Huller 9 for safety purpose
- Designed Cabelvey Flashings & Screens on AutoCAD as a part of my Pre-processing project
- Designed Solar Panel backpacks which are fully functional, easy to carry, light in weight and easy to install
- Worked in increasing the stability of suspension using the concepts from vehicle dynamics and Fluid Mechanics class
- Played integral role in patent-designing suspension with four other group members for SAE BAJA engineering club
- Did case study on Double pipe heat Exchangers

PROFESSIONAL EXPERIENCE:

FRESNO CITY COLLEGE:

Math Tutor

January 2011 – May 2014

- Provide assistance to students in the Tutorial Center
- Helped students with their math problems from basic Elementary Algebra to Differential Equations
- Promoted independence in learning and facilitated tutee insight into Learning and the Learning Process

PARAMOUNT FARMS:

Engineering Intern

June 2014 – Dec 2014

- Designed Parts and Assemblies using Autodesk Inventor software
- Drawn AUTOCAD drawing, and send it to the fabricator's to cut it using Water-jet/CNC
- Maintenance: Sample testing the Pistachio's at the Dryer section and doing the job site walk
- Equipment In-charge: Kept track of all rental equipment's and made changes promptly.
- Safety Auditor: Monitored the carbon monoxide level for the constructional phase of the new building
- Parts-Inventory In-charge: Tracked shipment deliveries from different companies & learnt what to look for quickly

SKILLS:

- Skilled in Autodesk Inventor, Auto CAD, MS office
- Fast learner and independent with strong leadership and critical thinking skills
- Deliver efficient, precise and proficient services under intense workloads and challenging priorities
- Excellent written and verbal communication skills, time management, and project management skills

AWARDS AND ACHIEVEMENTS:

- Certified College Reading & Learning Association Tutor and Writer
- Dean's List Certificates
- Manlift and Confine Space Certified

Geoffrey A Kukula

Objective

To be selected for a Mechanical Engineering Internship as part of the Valley Industry Partnership Program that will allow me to gain personal experience of the duties and job responsibilities of an engineer and better prepare me for my future engineering career.

Work experience

6/1/10 – 8/13/13

Brookside Market and Deli
4700 Coffee Road
Bakersfield, CA 93308

Positions held: Courtesy Clerk, Cashier, Book Keep/Shift Manager

7/7/14-current

E&J Gallo Winery Fresno
5610 E. Olive Ave.
Fresno, CA 92737

Positions held: Project Management Intern

Project Experience

- E&J Gallo Winery
 - Managed the construction and design of large and small scale projects.
 - Worked with implementing new water recycling system to save 16 million gallons per year.
 - Installed and commissioned new reverse osmosis system to replace water softeners.
 - Learned to interact with contractors and ensure project deadlines are met.
- ME 26- Engineering Graphics
 - Tasked with choosing mechanism to model on SolidWorks program with at least 3 parts
 - Chose to model a pocket knife
 - Blade geometry made this project one of the most difficult I have completed
- ME 95- Product Development
 - Tasked with machining a meat tenderizer from stock aluminum
 - Learned how to use an end mill for machining the tenderizer head and a lathe for turning the handle
 - Applied trigonometry and mathematical knowledge to form specific areas of tenderizer such as the handle threads
- Personal Projects
 - Fabricated a flintlock rifle from a parts kit
 - Had to shape wood stock with hand tools and perform final fitting of parts
 - Finished wood stock with walnut finish and all metal parts were chemically blued

Skills

- Advanced critical thinking
- Outstanding work ethic
- Works well in fast-paced, collaborative or individual work environments
- Very open to new ideas and ways of thinking
- Adapts to new processes and techniques rapidly
- Great inter-personal relationship skills
- Advanced knowledge of computers and programs (Excel, Word, PowerPoint)
- Competent in Autodesk AutoCAD, Inventor, and Solidworks programs

Education

Pre-Engineering Program

Fall 2011-Spring 2013
G.P.A.- 2.94
California State University Bakersfield
Bakersfield, CA

Pursuing a Bachelor of Science Degree in Mechanical Engineering
Fall 2013-Current
G.P.A.-3.19
California State University Fresno
Fresno, CA

Expected Graduation: May 2017

Matthew R Rocca

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Phone: (559)994-8986

Education

BS Mechanical Engineering

California State University, Fresno

Cumulative GPA : 2.97 Major GPA: 3.181

Expected Graduation: Fall 2016

Work Experience

International Paper Visalia: Engineering Associate 7/7/15 – 12/7/14

- Managing Projects Ranging from \$2,000 to \$30,000
 - Developed a complete contracted preventative maintenance plan for all of the exhaust fans and evaporative coolers in the plant
- Designed with AutoCAD
 - Redesigned a jack shaft mount that is used in most of the 1250 model cup machine
 - In the process of designing a safety block for one model of roll lift used in the plant
- Cost reduction and waste elimination

Projects and Club Involvement

SAE Mini Baja June 2013 - Present

Collegiate competition in which schools design and build a small off road vehicle that adheres to a strict set of rules and guide lines

- General fabrication
 - Frame modifications
 - Bending and mocking up suspension arms
 - Machined ball joint mounts
- Custom made hard line break system, Specific to our application.
- Fabricated harness for electrical safety equipment that included reverse light, brake light, reverse signal, and engine kill switch.

HVAC Contracted Preventative Maintenance Plan July 2013 – October 2013

At international paper there was no dedicated facilities maintenance person. It was decided to bring in an outside contractor to alleviate pressure on the staff, and perform all preventative maintenance tasks on our exhaust and evaporative cooler systems.

- Used the manufacturer recommended maintenance and input from the employees to create the plan and sort out how often service is performed.
- Updated HVAC schematics and added any and all missing information
- Ensured all the units included in the plan had their corresponding schematic number displayed on the unit
- Located and Labeled all power panels that are associated with the system
- Contacted Multiple contractors to find the most competitive bid
- Created a contractors guide that included schematics, panel locations, serial numbers, model numbers, and any other information the contractor might need