Camilo Tejeiro

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Skills

Areas of Knowledge
Circuit Design, PCB Design, Analog Circuits, Embedded Systems, Firmware Development, Software Development.

Technical Skills
KiCad EDA, Eagle PCB, Altium Designer, SPICE, C, Python, QUCS, LaTeX, Java, Bash, Linux, C++, Verilog.

Personal Skills
English bilingual proficiency, Spanish bilingual proficiency, Self-driven, Strong work ethic, Perseverant, Team-oriented.

Education

University of Washington — Seattle, WA, USA
Cumulative GPA — 3.54 on a 4.0 scale
Bachelor of Science in Electrical Engineering — June 2013

North Seattle Community College — Seattle, WA, USA
Cumulative GPA — 3.81 on a 4.0 scale
Associate of Science — June 2010

Engineering Experience

Ashima Devices — Pasadena, CA, USA
Hardware/Firmware Design Engineer — June 2014 - May 2015
Development of the sensor, communication and flight control hardware for the Hexpuck unmanned aerial device.

Li-Ion Active Battery Balancer Hardware Design	*Analog Circuits, PCB, Eagle CAD, 4 layers, 176 components*
Li-Ion Active Battery Balancer Embedded System	*Firmware Development, Python, ARM-M0, Linux, GCC, GDB*
Motor ESC Hardware Design	*Embedded Systems, Circuit Design, Eagle CAD*
Motor FET Driver Power Board	*Circuit Design, PCB Design, Eagle CAD, 43 components*
Battery Simulator Hardware Design	*Analog Circuits, PCB Design, Eagle CAD, 16 components*
Power Limiter Hardware Design	*Analog Circuits, PCB Design, QUCS, Eagle CAD, 22 components*
RGB Pixels Array Board	*Circuit Design, PCB Design, Eagle CAD, 58 components*
Gyroscope Breakout Board	*Circuit Design, PCB Design, Eagle CAD, 8 components*
GPS Magnetometer Board	*Circuit Design, PCB Design, Eagle CAD, 30 components*
Flight Controller Daughter Board	*Circuit Design, PCB Design, Eagle CAD, 48 components*
Flight Controller Interface Board	*Circuit Design, PCB Design, Eagle CAD, 10 components*

RTneuro Inc. — Seattle, WA, USA
Lead Design Engineer — July 2013 - May 2014
Design of the bio-medical sensors, the wireless embedded system and the communication software for the Rainbow wearable health device.

Bluetooth LE Router Application	*Software Development, Java, Android API*
Wearable Wireless Health Device Hardware Design	*Embedded Systems, PCB, Altium, 4 layers, 92 components*
Wearable Wireless Health Device Firmware Design	*Embedded Systems, Firmware Development, C, ARM, KEIL*
Low Power Reflectance Pulse Oximeter	*Analog Circuits, PCB Design, Altium Designer, Multisim*
Electromyography Sensor	*Analog Circuits, PCB Design, Altium Designer, Multisim*
Galvanic Skin Response Sensor	*Analog Circuits, PCB Design, Altium Designer, Multisim*

The Daniel Lab — Seattle, WA, USA
Undergraduate Research Assistant — January 2013 - March 2013
Development of a software application to aggregate gesture and myography data for control purposes.

Emg hand tracking and gesture recognition — *Software Development, C++, Visual Studio*

University of Washington — Seattle, WA, USA
Design Curriculum — September 2011 - March 2013
Design of analog circuits and embedded systems for the development of practical engineering applications.

- Single Cycle and Pipelined CPU — *Embedded Systems, Verilog, FPGA, Altera Quartus*
- PVT Invariant Voltage Controlled Low Pass Filter — *Analog Circuits, Multisim*
- Graphic Equalizer Design — *Analog Circuits, Multisim*
- Wireless EMG Actuated Prosthesis For Upper Limb Amputees — *Analog Circuits, Firmware, C, MSP430, Multisim*

Spacelabs Healthcare — Issaquah, WA, USA
Internship — January 2012 - June 2012
Design of multiple software applications for monitoring patient health in a mobile environment and displaying health data in a remote graphical interface.

- WiMM Watch Wireless Health Monitoring System — *Software Development, Java, Android API, C#*

Neurobotics Laboratory — Seattle, WA, USA
Undergraduate Research Assistant — June 2011 - August 2011
Development of a manipulation experiment for researching feedback delivery techniques and design of a remote feedback device to help amputees.

- Comparison of Remote Feedback Modalities for Prosthetic Hand Control — *Embedded Systems*
- Wireless Vibrotactile Feedback Device — *Embedded Systems, Firmware Development, C, MSP430*

Publications

Tejeiro, C.; Stepp, C.E.; Malhotra, M.; Rombokas, E.; Matsuoka, Y.; , "Comparison of remote pressure and vibrotactile feedback for prosthetic hand control," *Biomedical Robotics and Biomechatronics (BioRob), 2012 4th IEEE RAS & EMBS International Conference on*, vol., no., pp.521-525, 24-27 June 2012.

Awards and Honors

University of Washington Quarter Dean's List — March, 2013
Award received for maintaining a full time GPA of 3.50 or better during the winter quarter of 2013.

University of Washington Kaiser Aluminum Scholarship — June, 2012
Scholarship awarded for good academic record and leadership potential.

University of Washington Annual Dean's List — June, 2011
Award received for maintaining a full time GPA of 3.50 or better during the 2010-2011 academic year.

North Seattle Community College Merit Scholarship — June, 2010
Scholarship awarded for academic excellence.

Leadership Experience

Osohm Inc. — Torrance, CA, USA
Founder and Lead Design Engineer — June 2015 - June 2016
Development of tools and applications to facilitate the widespread adoption of open technologies in the consumer market.

Volunteer Experience

STARS Tutoring Program — April 2015 - June 2015
Lake Avenue Community Foundation
Helped low-income middle and high school students complete their homework and succeed in classes.

Note-taker for Disability Resources for Students — January 2011 - December 2011
University of Washington
Volunteered as a note-taker for electrical engineering students with disabilities.

Memberships

Tau Beta Pi Engineering Honor Society — April 2011 - June 2013

Society of Hispanic Professional Engineers — September 2009 - June 2013