

Taylor R. Bradley

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Objective

Seeking a full time position as an electrical engineer in a team-oriented environment where I can use my academic skills and knowledge to further build my experience.

Experience

- EcoCar (ADAS): Advanced Driver Assistance Systems – Abstracting signals from a vehicle (CAN) and installing hardware in the car's system in order to integrate assisted driving software. Video processing for object detection and tracking using various image processing Algorithms.
- EcoCar (Project): Experience using an Xbox Kinect and its associated API to detect features of a driver at the wheel i.e. check if the driver is distracted, sleeping or other miscellaneous features.
- Capstone Project: Research and development – Using an FPGA board to implement signal processing algorithms that augment audio in real time.
- MESA Program – Leadership Retreat: Gained leadership experience through team oriented projects for design and presentation of new technology.
- Tutor (paid and volunteer) Math, Physics and Chemistry. Managed teams of tutors and lead academia based workshops.

Skills

- Proficient in C, C++, Matlab, Java, Python, Microsoft Office
- Signal and image processing
- Knowledgeable of Spanish and AutoCad

Education

University of Washington

2014-2016

- **Bachelor of Science in Electrical Engineering**
- **Major GPA: 3.61/4.0**
- **Dean's List: 2013-Present**
- **Related Coursework: EE 341 Discrete time Signals and Systems, EE 361 Applied Electromagnetics, CSE 373 Data Structures and Algorithms, EE 416 Random Signals for Communications and Signal Processing, EE 418 Network Security and Cryptography, EE 440 Digital Image Processing, EE 442 Digital Signals and Filters, EE 443 Design and Application of Digital Signal Processing, EE 499 Undergraduate Research**