

# Alex Eidt

## Junior in Electrical Engineering at the University of Washington

### Contact

alex.eidt@outlook.com  
alexeidt.github.io  
github.com/AlexEidt

### Education

B.S Electrical Engineering  
Fall 2018 – Spring 2022  
University of Washington  
Seattle  
3.64 GPA

### Skills

Java (Expert)  
JavaScript (Proficient)  
NodeJS (Proficient)  
VueJS (Proficient)  
jQuery, Ajax (Proficient)  
C/C++ (Proficient)  
Verilog (Proficient)  
HTML/CSS (Proficient)  
  
LaTeX (Proficient)  
ModelSim (Proficient)  
Quartus (Proficient)  
Git/GitHub (Expert)

### Hackathons

DubHacks 2019  
AngelHack 2019 Seattle

### Objective

Obtain a software engineering internship.

### Experience

#### UW Solar in the Urban Infrastructure Lab

Oct 2018 – Sept 2020

- Data analysis of vehicle inventory of UW Transportation fleet to help PhD students create a financial model for the electrification of UW Fleet.
- Project Lead for Manastash Ridge Observatory project. Worked with UW Astronomy Professor Oliver Fraser. Coordinated site visit to Observatory. Oversaw cost estimation, schematic and solar array design with UW Solar team to create a proposal and energy audit for a ground mounted solar array at the Observatory.
- Created and designed new UW Solar (<http://uwsolar.be.uw.edu/>) website using VueJS and NodeJS with fellow computer science undergraduate. Designed Urban Infrastructure Lab (<http://uil.be.uw.edu/>) website using WordPress. Weekly meetings with club officers, faculty, and UW Web developers to guide design and host easily maintainable sites. Created documentation for updating/maintaining the UW Solar website.

#### University of Washington (UW) Course Planner

July 2019 – Sept 2019

Web App with schedule visualization on a campus map, recursive course prerequisite trees, and course keyword search. Built in Python using the Flask framework backend along with Ajax and jQuery. Built *uwtools* library in Python for parsing UW course catalog and time schedule websites. Presented project to UW IT Academic Experience Design & Delivery Team to improve MyPlan, (course management tool at UW) resulting in a course keyword search feature being added. <https://alexeidt.pythonanywhere.com>

#### Basketball Statistics Tracking

Jan 2019 – Aug 2019

Program to keep track of player statistics for a Basketball team. Use of Java Swing to create an intuitive UI to create teams and track player statistics. <https://github.com/AlexEidt/Basketball-Statistics-Tracking>

### References

**Jan Whittington** – Professor in Urban Design and Planning at the University of Washington, Founder of the Urban Infrastructure Lab and UW Solar Faculty Advisor. [janwhit@uw.edu](mailto:janwhit@uw.edu)

**Brian Vogt** – Web Developer in the College of Built Environments at the University of Washington. [bvogt@uw.edu](mailto:bvogt@uw.edu)

**Austin Miller** – Freelance Web Developer. [austinem@gmail.com](mailto:austinem@gmail.com)