# Bailey Segall

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## Education

**University of California Berkeley,** Berkeley, CA *Anticipated Graduation 2024*
*College of Engineering*
· Electrical Engineering and Computer Science, Bachelor of Science

## Skills/Knowledge

· Python (Numpy, Pandas, Geopandas, GDAL, Torch, Shapely, Matplotlib)| Scheme| SQL | Java | HTML/CSS (Bootstrap3)| Data Visualization (Excel, Word) | Basic Graphic Design (Gimp, Canva)| Decking

### Relevant Coursework

· The Structure and Interpretation of Computer Programs
· Data Structures
· Designing Information Devices and Systems 1 & 2
· MIT EdX (Version Control: Git & Github, Remote Sensing for Crisis Response, Python Core)

## Projects

**Diversatech Consultant for LinkedIn,** Berkeley, CA *Sep 2020 - Present*
· Conducted Market analysis on competitor 'Stories' Applications and presented findings and recommendations
· Developed Low Fidelity Prototypes and feature recommendations for LinkedIn Stories

**MIT's Beaver Works Summer Institute,** Boston, MA *July 2019 - August 2019*
· Collaborated under Lincoln Laboratories Team held a leadership role on the project
· Developed algorithms to provide actionable recommendations based on data input for disaster response and relief in hurricanes

**Development of a Biodegradable Algae Bioplastic,** Camas, WA *Sept 2017 - June 2018*
· Team Leader; developed and tested algae-based bioplastic as a potential substitute for single-use plastics.
· 1st place at Regional Science and Engineering Fair; competed at Intel International Science and Engineering Fair
· 1st place McKinstry Built Environment and Global Impact Award Alaska Airlines Imagine Tomorrow Competition
· Awarded American Meteorological Society Certificate of Outstanding Achievement, ASU Walton Sustainability Solutions Award, and Stockholm Junior Water Prize Regional Award

**Sustainable Vertical Aquaponics System,** Camas, WA *Sept 2016 - May 2017*
· Designed, developed, and tested a vertical aquaponics system for urban environments utilizing gastropods.
· 1st place winner in Aerospace Engineering at Alaska Airlines Imagine Tomorrow Competition
· Finalist and Second place in Environmental Sciences at the Regional Science and Engineering Fair

## Work

**Geeklama Instructor,** Remote *July 2020 - Present*
· Taught children(6-11) beginning and intermediate Computer Science Fundamentals through Scratch during 8-week courses.

**Robotics Youth Summer Camps,** Camas, WA *June 2018 - Aug 2018*
· Taught children (ages 6-13) development of basic mechanical design and coding skills using Lego EV3