

# Ryan Bonk

Front-End Software Engineer

✉ r.bonk907@gmail.com ☎ (907) 242-0500 🐙 github.com/rbonk907

## Experience

### Electrical Engineer – HZA Engineering

Jan. 2021 – Present // Anchorage, AK

- > Design electrical layouts for new construction projects using CAD software based on the user constraints of the Architect and owner. Responsibilities include conducting electrical load analyses, coordinating with the different engineering disciplines, and the local inspectors to ensure that each design is up to code and safe.

### Team Lead – NASA Internship

Jun. 2020 – Aug. 2021 // Remote

- > Led a team of 15 student researchers employed by the NASA Langley Research Center to design a conceptual multi-modal vehicle capable of maneuvering autonomously without GPS. Responsibilities included building team relations, delegating tasks amongst teammates, and ensuring that deadlines were met.

### Researcher – NASA Internship

Jun. 2019 – Aug. 2019 // Hampton, VA

- > Assisted in the research of consumer RTK GPS at the NASA Langley Research Center for use with Autonomous Fleets of Drones. Responsibilities included, developing and executing experiments to test the viability of several off-the-shelf RTK GPS, and writing a paper discussing our findings.

## Skills

### Programming Languages

JavaScript (ES6), HTML, CSS, C++

### Libraries and Frameworks

Vue, Node.js

### Tools and Platforms

Git, Firebase

### Design

Photoshop, Adobe Illustrator

## Education

### University of Alaska Fairbanks

Aug. 2015–Dec. 2020 // Fairbanks, AK

Bachelor of science in Electrical Engineering with a concentration in Communication Systems

### Study Abroad

Aug. 2017 – May 2018 // Galway, Ireland

## Interests

Digital illustration, Hiking, Rock climbing