

## Experience

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### Wanderu Inc.

Software Engineer

April 2019 - Present

Junior Software Engineer

Sept 2018 - April 2019

- Designed and implemented a translation CMS for supporting custom content on over 1.9M pages across 7 locales. This helped boost SEO rankings to 40-50% year over year due to significantly more custom content.
- Designed and implemented a graph algorithm for optimizing the PageRank of the internal linking of city-to-city travel pages. Optimized graph has over 200K nodes and 5M edges.
- Built out a travel review system which ingests customer feedback through an email survey and displays relevant reviews to prospective customers.
- Saw a need for better software design feedback and implemented an RFC system. After demonstrating the benefits it was made a key part of the software design process which increased documentation and improved software decision making.
- Mentor for a junior engineer helping them ramp-up and contribute effectively. They are showing great success in their current role and I am encouraging and guiding them to take on bigger projects.

### Amazon Robotics

Software Engineering Intern

Summer 2017

- Member of eight person team developing proof-of-concept robot for warehouse automation using ROS.
- Designed and implemented a sensor-specific point-cloud filtering algorithm to reduce noise.
- Designed and implemented a data visualization system in C++.

### Onshape

Software Engineering Intern (FeatureScript Team)

Summer 2016

- Designed and implemented various geometric algorithms for built-in functions for the FeatureScript language.
- Designed and implemented a custom, advanced autocomplete algorithm for online code editor.

### Audience Inc., Multisensory Algorithm Intern

Software Consultant

Fall 2015 - Spring 2016

Multisensory Algorithms Intern

Summer 2015

### Olin Electric Motorsports (fSAE Electric Team)

Firmware Developer

2015 - 2018

- Firmware Lead from 2015 through fall of 2017 for 40-person electric vehicle club designing Formula Electric racecars. Developed software system for distributed CAN network as well as taught and guided new members.

## Education

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### Olin College of Engineering

May 2018

Bachelor of Science in Electrical and Computer Engineering, 3.81 GPA

## Projects

(more at [github.com/byronwasti](https://github.com/byronwasti))

### Spreadsheet CLI

In-terminal spreadsheet application with dependent cells and basic programming language.

### #Hashtag Gloves - Tweeting Smart Gloves

Featured nationally on news outlets such as BuzzFeed and Gizmodo for hackathon project on tweeting gloves.

### Open Source Smart Watch

Designed PCB and wrote firmware for a custom Smart Watch. Arm Cortex-M4 processor with firmware in Rust.

### Quantum Computer Simulator in Python

Simulation of 5 fundamental Quantum Logic gates: X, Y, Z, Hadamard and CNOT.

## Skills

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Fluent in Rust, Python and Git. Competent in C, C++ and Javascript. Familiar with Haskell and Elm. Backend development, systems development, full-stack development and firmware development.