

# FRANKLIN HARDING

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## EDUCATION

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### Lincoln High School

GPA: 3.94

Portland, OR  
Aug 2016 - Jun 2016

### Cleveland High School

GPA: 4.034

Portland, OR  
Aug 2017 - Current

## WORK EXPERIENCE

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### MysteryPix

Entrance Photographer

Portland, OR  
May 2017 | Aug 2017

- Took portrait photos at the Oregon Zoo of attendees.
- Sold photos to attendees.

### Pigmice

Programming Team

Portland, OR  
Aug 2017 | Current

- Wrote code for our robot 'Otis'.
- Managed social media accounts (Instagram, Snapchat, Facebook).
- Designed and built a PWA to make scouting easier and run analytics on scouting data.
- Designed a framework for long term deployment and management of Peregrine (scouting app) after the core developers (Brendan, Caleb, and I) graduate, using Docker Cloud, DigitalOcean, and building an easy to use admin panel.
- Used tools such as Slack, Github, and Trello to communicate and collaborate with team members and share responsibilities.
- Audited Peregrine (scouting app) security and used knowledge of common vulnerabilities to secure the app, implementing best practices such as strong password hashing (bcrypt), strong authentication and session management (JWT), and user input sanitization.

### Open Source Software

Contributor

- Contributed bug fixes and features to many open source software repos such as gorilla/mux, pybasictraining, openfaas, and more.
- Regularly give (and receive) advice and feedback on /r/golang on writing well structured idiomatic code.

### Textivate, StudentVue, Edmodo, and more.

Third-party Security Auditor

- Responsibly disclosed security vulnerabilities to companies.
- Discovered and created awareness about MongoDB ransacking.

## SKILLS

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Backend Web Development: Go, Java, Node.js, PostgreSQL, MongoDB, Docker  
Frontend Web Development: JavaScript, TypeScript, (P)react, Vue.js  
Pen Testing: XSS, SQL Injection, CSRF, Password Cracking  
System Administration: CentOS, PostgreSQL, Docker, MongoDB

## PROJECTS

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**Peregrine** Go, Javascript, (P)react, Docker, PostgreSQL

<https://pigmice.ga/>

A FIRST robotics scouting (web) app.

**Otis** Python

A FIRST robotics robot that competed in the 2018 PNW District Championship.