

Franklin Harding

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<https://harding.coffee/>

Education

- Lincoln High School, 3.94 GPA (2016)
- Cleveland High School, 4.0 GPA (2017-Current)

Work Experience

- Pigmice Robotics Team - Lead Peregrine Developer (Aug 2017 - Current)
 - Programmed our 120lb 6-wheel tank drive robot with Python and Java
 - Designed and built Peregrine, a PWA with Golang, React, PostgreSQL, and Docker to make scouting easier and run analytics on data
 - Audited Peregrine for security best practices such as strong password hashing (bcrypt), strong authentication and session management (JWT), and user input sanitization
- Billups - Backend Services Intern (July 2018 - Current)
 - Designed and built microservices with Go and MySQL, tested with Jest
 - Worked on existing monolithic Go services
 - Worked on frontend using React and Redux

Skills

- Backend Web Development - Go, Java, Node.js, SQL, NoSQL, Docker
- Frontend Web Development - Javascript, Typescript, React, Vue.js, Jest
- Penetration Testing and Security Auditing
- System Administration / Ops - CentOS, PostgreSQL, MySQL/MariaDB, MongoDB, Docker

Personal Projects

- Peregrine - Go, Javascript, (P)React, Docker, PostgreSQL
 - FIRST Robotics scouting app intended to make scouting and data analysis easier
- Otis - Python
 - FIRST Robotics robot that competed in the 2018 PNW district championships
- Servers - ESXi, CentOS
 - I own a DL380 G6 and G7 that I use for many personal projects, as well as hosting robotics applications. Both run an ESXi Hypervisor with mainly CentOS VMs.
- See Github for more!