

Technical Skills

React.js, TypeScript, HTML5/CSS/JS, jQuery, AngularJS, Cypress, CircleCI, Node.js/NPM, Python, Express, MySQL, MongoDB/Mongoose.js, PostgreSQL, Docker, AWS, Jest/Enzyme, Mocha/Chai, Webpack, Babel, CircleCI, Puppeteer, Netlify, Git, VSCode, Linux (Arch, Redhat, Ubuntu, Mint)

Projects

Pantry Chef | Software Engineer | <https://github.com/hack-curtains/project-gordon-web> 2022
*System-design/implementation for server/database using **React.js**, **PostgreSQL/MongoDB**, **Docker**, **Express/Node**, **Pino** and **Crypto***

- Reduced query latency by 10x using A/B testing to evaluate **MongoDB** and **PostgreSQL** databases
- Identified system bottlenecks with **Pino/Postman** to increase throughput and reduce error rate (<1%)
- Deployed and horizontally scaled microservice across multiple **AWS EC2** instances with **Docker** to handle 500/rps
- Developed robust resources for testing, logging and documentation using **Pino**, **Marked** and **Supertest**
- Implemented authentication with cookies, session ID's and a hashed/salted **PostgreSQL** database

Ecommerce Website | Software Engineer | <https://github.com/HackReactor-Team-Apollo/hr-clutch-FEC> 2022
*Front-end design case study delivering a high performance consumer website using **React.js**, **Mocha**, **Webpack**, **Node.js***

- Collaborated with an agile team of four engineers to create a performant and maintainable marketing site
- Engineered solutions to deployment, documentation, and testing using **Webpack**, **Marked** and **Mocha.js**
- Architected infrastructure for code and content management systems with **Git** and **Heroku**

Automated and Self Actuated Operating Light | Project Manager/ Robotics Engineer | Jefferson University 2016
*Designed, built and programmed automated light using **Microsoft Kinect**, **Arduino**, **Python** and **Kinect SDK***

- Managed a team of mechanical and software engineers to create a performant prototype
- Programmed **Kinect SDK** to gather and analyze real-time position data of operating theater staff
- Analyzed data with **Python** and an **Arduino** to automate light's actuation based on surgeons position

Experience

PayByCar | Software Engineer | **Boston, MA** 2022

- Wrote and implemented **bash** scripts for on-site logging of all transactions
- Performed device and network analysis on LTE-enabled **MOXAs** to identify and eliminate bottlenecks
- Administered daily service checks, compiled results and distributed health reports to company leaders
- Monitored and rectified service interruptions and disconnects to maintain 100% service uptime

Purple Peace, LLC | Project Manager & Lead Agronomist | **Ridgeway, PA** 2018 - 2019

- Designed and built greenhouse for, generating over \$15k per harvest
- Programmed and installed automated lighting & watering systems using **Arduino** and **Python**
- Marketed and pitched to potential investors, resulting in a \$45k investment from local business owners

Warwick Mushroom Farm | Mushroom Horticulturalist | **Warwick, MD** 2017-2018

- Automated and tuned water, CO2 and HVAC systems to ensure optimal growing conditions
- Provided onsite tech maintenance to farms power, AC, light, water and computer systems
- Oversaw picking crews by organizing daily scrums with team leads to pick 20,000 lbs of mushrooms a day

Education

Hack Reactor	San Francisco, CA
Advanced Software Engineering Immersive	2021 - 2022
Drexel University	Philadelphia, PA
College of Engineering 3 Years towards B.S. in Computer Engineering	2013 - 2017