MAXWELL COOPER

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EDUCATION

BROWN UNIVERSITY
2014-2018
Electrical Engineering, Sc.B.
GPA: 3.4/4.0

HEREFORD HIGH SCHOOL
2010-2014
GPA: 5.49/4.0

TOWSON UNIVERSITY
2013
Multivariable Calculus (MATH275)
GPA: 4.0/4.0

SKILLS

TECHNICAL
React, TypeScript, HTML, CSS, SQL, Docker, MATLAB, Python, NodeJS, Java, Solidworks, Altium, Verilog, CPLDs, FPGAs, Xilinx ISE

PROFESSIONAL
Git, Jira, VS Code, AWS products (EC2, CloudFront, RDS, Lambda, CodePipeline, CloudWatch), Agile (Scrum), TEFL

TESTS
SAT: 2340 ACT: 34
SAT II: Chem 800, Math II 800, Physics 780

EXTRACURRICULARS
Brown Special Events Committee Treasurer, Co-chair
Brown IEEE E-board member
Delta Tau Rush Chair
RISD NYFW 2017 Model
Filipino Alliance
Meditation Club
Rube Goldberg Machine Club
Birding Club

EXPERIENCE

INFONDRIAN
Full Stack Software Engineer, January 2020-Present
- For a cloud-based radiation oncology chart-checking software startup, built entire frontend SPA from start to finish (30,000+ lines of code) using React Typescript (including custom hooks) and asynchronous API calls/different custom features, along with many different imported libraries such as styled-components, Axios, react-router-dom, D3.js, momentJS, socket.io, js-cookie, Recharts, qs, etc.
- Completed backend work (running on NodeJS and TypeScript) including writing Postman API tests, debugging 500 internal server errors, SQL queries (Sequelize) to the database, writing GET functions from the api route to the response and Lambda functions on a separate repository that execute on the db itself
- Set up entire frontend CI/CD pipeline with GitHub trigger from dev to prod including testing stage using AWS CodePipeline, CodeBuild, CodeDeploy, as well as DNS networking using AWS Route 53 and AWS Cloudfront to point to an S3 bucket
- Used various Docker containers including running a local PostgreSQL database, an Nginx proxy for a secondary api, frontend testing using Docker containers running CodeceptJS and Chrome
- Set up authentication for React app using Auth0 and later transitioning to a custom login page with Amazon Cognito

INTUS CARE
October 2019-January 2020
- One of two software engineers to develop the front-end of a caregiver management application for a Brown start-up company, a finalist of the Brown Venture Prize and 2019 MassChallenge winner
- Used React TypeScript, MongoDB/Azure for the database/server

OTHER

GOTOCO TEFL VOLUNTEER PROGRAM
Summer 2019 - Beijing, China
- Taught English to adult Chinese students while earning TEFL

COLLEGE CRUSADES FTC STUDENT ADVISOR
2018-2019 - Providence, RI
- Mentored at-risk high school students in robotics competition

ENGN0030 MENTOR/TEACHING ASSISTANT
Fall 2017 - Providence, RI
- Taught engineering principles to students taking Intro to Statics