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EXPERIENCE

- General Electric: Healthcare** **Senior Software Engineer** **2019 – Present**
- Developed customer facing web applications using React, GraphQL, and Material Design
 - Programmed backend API's for enterprise-level digital healthcare products operating on three continents
- Skilled Inc.** **Part-Time Technical Interviewer** **2019 – Present**
- Private technical coaching company*
- Lead 40+ technical interviews for candidates in JavaScript, Python, C#, C++, and Java and provided advice and feedback
- Pathrise** **Part-Time Technical Advisor** **2019 – Present**
- Career accelerator startup focused on teaching C.S. students how to get a job*
- Coached behavioral & technical interviews for students teaching fundamental C.S. concepts and behavioral techniques
 - Creator of technical workshops and curriculum enhancements
- General Electric: Aviation** **Software Engineer** **2017 – 2019**
- Two-year rotational program with 6-months of work experience in each Backend, Full Stack, Data Analytics & Cyber Security*
- Implemented Apache Solr search engine for small production environment saving \$200,000 in third party licensed software
 - Engineered framework for analysts to chain ~170 "warning" indicators together to reduce false positives of internal data leaks
 - Lead technical interviews for the team resulting in three new full-time hires for GE Aviation
 - Implemented Java API endpoints for project management budgeting tool to improve shared budget information
 - Spearheaded and trained team to adopt GitHub and Git CLI, improving speed of development and introducing version control
 - Accelerated \$6,300,000 cash opportunity by programming backend SQL tool for inventory reduction
- General Electric & Harmon Kardon** **Software Engineering Internships** **2014 – 2017**

EDUCATION

- Georgia Institute of Technology** **Master of Science** **2018 - 2020**
- Computer Science with Artificial Intelligence concentration**
- Coursework:** Advanced Networking; Information Security; Software Analysis & Testing; Software Architecture, Health Informatics
- Achievements:** Teacher's Assistant; 2018 SCLA Honor Society member
- University of Michigan** **Bachelor of Science** **2014 - 2017**
- Computer Science with Software Engineering concentration**
- Coursework:** Advanced C++; Data Structures & Algorithms; Object-Oriented Programming; Networking; Operating Systems
- Achievements:** Teacher's Assistant; Dean's List; ICPC Programming Competition Competitor 2015 & 2016; ACM member

PROJECTS

- L.A.T.E Chrome Extension:** Chrome extension helping language learners increase passive study time by swapping words on webpage into their target language of learned vocabulary words from popular Duolingo application
- Minesweeper Web Application:** A web-based version of minesweeper with beginner, intermediate, and advanced modes
- VIM Keyboard:** Scripts to enable global Vim-like key bindings allowing programmers to move between programs & text quickly

ADDITIONAL EXPERIENCE & AWARDS

- Treehouse Hackathon Winner:** 1st in US; 2nd place globally in Treehouse learning hackathon against 72 competitors across 14 countries
- 2x "Above & Beyond" Winner:** Hundreds of dollars in gift cards given for going "Above & Beyond" what is required
- Nominated "Best Digital Technology Program Member":** 4th out of 47 program members
- YouTube Instructor, Computer Science:** Basic lectures on CS concepts including data structures and algorithms
- Leadership Experience:** GE Crotonville Leadership Training, SWE Class Team Lead; President of Math & Physics Club

LANGUAGES & TECHNOLOGIES

- | | Front End | Backend | Tools |
|---------------------|------------------------------|------------------|-----------------------------------------------------------|
| Professional | React, JavaScript, HTML, CSS | Java, Python, C# | Docker, AWS, Hibernate, MyBatis, Apache Solr, Material-UI |
| Tinkerer | Angular, Vue, jQuery | C++, C, Node | Ant-Design, OAuth |
- Databases:** Microsoft SQL Server • MongoDB • PostgreSQL
- Concepts:** Agile • Scrum • Kanban • REST • Material Design