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EXPERIENCE

General Electric: Aviation

Software Engineer

2017 - Present

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: Aviation & Digital

Software Engineering Internship

2016 - 2017

- Designed user stories, requirements, and wireframes for an Exit Automation project that monitors user activities using big data analytics — alerting the IT team to potential insider threats
- Taught and directed technical interview preparation sessions to fellow interns

Harmon Kardon International

Software Engineering Internship

2014 - 2015

- Updated design and test documents using program to track status of 200+ bugs
- Alpha tested amplifiers and speakers — identified and solved two bugs during the pre-launch of a speaker

EDUCATION

Georgia Institute of Technology

Master of Science

2018 - Expected 2019

Computer Science with Artificial Intelligence concentration

Coursework: Advanced Networking; Intro. to Information Security; Software Analysis & Testing; Software Architecture

2018 SCLA Honor Society member

Team Lead in Software Architecture class

University of Michigan

Bachelor of Science

2014 - 2017

Computer Science with Software Engineering concentration

Coursework: Advanced C++; Algorithm Design; Data Structures; Object-Oriented Programming

Teacher's Assistant: Computer Science I, Computer Science II, & Data Structures & Algorithm Analysis

Dean's List 2015

ICPC Programming Competition Participant 2015 & 2016

Association for Computing Machinery (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 people to move between programs & text more easily

ADDITIONAL EXPERIENCE & AWARDS

Treehouse Hackathon Winner: 1st in US; 2nd place globally in Treehouse learning hackathon against 72 DTLPs 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

Programming Technologies: IDEA IntelliJ • Visual Studio 2013 • MS SQL Server • REST

Databases: Microsoft SQL Server • Hibernate • MyBatis 3 • MongoDB • Apache Solr • PostgreSQL

Methodologies: Agile • Scrum • Kanban

	Java	Python	C++/C#	JavaScript	HTML/CSS	Angular	PHP
Skill Level	Skilled	Proficient	Proficient	Proficient	Proficient	Novice	Novice