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## EXPERIENCE

### **General Electric: Aviation      Digital Technology Leadership Program      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:** 1<sup>st</sup> in US; 2<sup>nd</sup> 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":** 4<sup>th</sup> 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