(513) 371-4598

Michael Mroczka

Chicago, IL 60612   MichaelMroczka.com   michael.mroczka@gmail.com

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