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| 2351 W. Congress Parkway  Chicago, IL 60612 | | Michael Mroczka  [MichaelMroczka.com](http://michaelmroczka.com/) | | [513.371.4598](tel://513-371-4598/)  [michael.mroczka@gmail.com](mailto:michael.mroczka@gmail.com?subject=Hey%20Mike!%20Nice%20Resume!) | | | |
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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 | | | | | | | | |
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| **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 | | | | | | |  | |
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| **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 | | | | | | | |
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| **EDUCATION** | | | | | | | |
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| **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 | | | | | | | |
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| **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 | | | | | | | |
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| **PROJECTS** | | | | | | | |
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| **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 | | | | | | | |
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| **ADDITIONAL EXPERIENCE & AWARDS** | | | | | | | |
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| **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 | | | | | | | |
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| **LANGUAGES & TECHNOLOGIES** | | | | | | | |
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| **Programming Technologies:** IDEA IntelliJ • Visual Studio 2013 • MSQL Server • REST  **Databases:** Microsoft SQL Server • Hibernate • MyBatis 3 • MongoDB • Apache Solr • PostgreSQL  **Methodologies:** Agile • Scrum • Kanban | | | | | | | |

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