Aidan McCarthy

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EDUCATION

University of Michigan   **Ann Arbor, MI**
Computer Science BSE, minor in music   *April 2023*
GPA: 3.391 / 4.00
Relevant Coursework:
Data Structures and Algorithms, Introduction to Computer Organization, Introduction to Computer Security, Web Systems, Computer Vision, Software Engineering, Introduction to Operating Systems, Mobile App Development for Entrepreneurs, Computer Networks, Introduction to Machine Learning.

The Bronx High School of Science   **Bronx, NY**
High School Diploma   *June 2019*
GPA: 4.00 / 4.00

WORK EXPERIENCE

Manhattan Associates, Gov Cloud   **Atlanta, GA**
Software Development Engineer   *June 2023 - Present*
- Implement extensions and bug fixes to supply chain management apps for FEMA and DeCA, using Angular and Java.
- Write and execute technical specifications according to change requests from FEMA.
- Create, edit, and manage Jira tickets linked to code changes on Bitbucket, using Git for version control.
- Deploy and configure apps for internal and cloud environments using Jenkins, AWS, Ansible, and Terraform.
- Develop on remote servers with VSCode and Intellij IDEA using SSH, as well as Eclipse using X11 forwarding.
- Write and run PL/SQL scripts to edit relational DBs on Oracle SQL Developer and in SQL*Plus.
- Work on a small subteam of developers to build new projects for FEMA on top of legacy Java applications.
- Update web servers' expiring certificates and third party software packages for security compliance.
- Add UI features to legacy applications in XHTML and XML with calls to internal REST APIs.
- Support production apps by participating in an on-call rotation for 1 week every 1.5 months.

AWS Direct Connect   **Herndon, VA**
Software Development Engineer Intern   *May 2022 - July 2022*
- Migrated an internal service from Amazon's original network to Native AWS by implementing APIs using ELB, ECS, and Fargate to view and update internal Direct Connect device properties.
- Developed projects in Kotlin as packages inside version sets using Amazon's internal builder tools (Brazil build system) and cloud desktops with pipeline integration for service rollout/deployment.
- Attended daily standup meetings, learned about Direct Connect's infrastructure and role in helping customers use other AWS services efficiently.

RESEARCH EXPERIENCE

BioDigital   **New York, NY**
Student Intern   *July 2020 - August 2020*
- Researched the viability of adding Unreal Engine to BioDigital Human's set of product SDKs, and presented the findings to the Chief Innovation Officer. Learned about the BioDigital Human API for their 3D models.

SKILLS

Programming Languages: Java, JavaScript, Typescript, PL/SQL, Python, C++, C, Kotlin, bash, Go
Markup Languages: HTML5, XHTML, XML
Web Frameworks: Angular, React JS, Flask
Data Serialization Languages: JSON, YAML, XML
IDEs/Text Editors: VSCode, IntelliJ IDEA, Eclipse, Vim, nano, XCode
Software: Oracle SQLDeveloper, Excel, Word, Powerpoint, Teams, Microsoft Project, Jaspersoft Studio
Languages: Advanced Spanish, music