MIGUEL LORENZO M. AVILES

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EDUCATION

B.S., Computer Science
University of Maryland, College Park
Minor in General Business   Jan 2014 – May 2018
- Recipient of Maryland Delegate and Senatorial Scholarships
- VR Club
- Bitcamp 2017

Associate of Science
Anne Arundel Community College   Aug 2012 – Dec 2013
- Recipient of Maryland Delegate and Senatorial Scholarships
- Dean's List

TECHNICAL SKILLS

Platforms: Windows, Unix, Linux

Languages: Java, Python, C, SQL, TypeScript, JavaScript, CSS, HTML, Ruby, OCaml, Prolog, Assembly

Software: Eclipse, Microsoft Azure, Visual Studio, Android Studio, AssistEdge, Microsoft Office Suite, WordPress, Adobe Acrobat Pro and Photoshop, MATLAB, Postman

Development: Spring Boot, Spring MVC, Django, Thymeleaf, Angular, Jenkins, Hibernate, Agile Scrum, Git, SVN, AWS, Android

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RELEVANT COURSEWORK

- Advanced Algorithms, Software Engineering, Data Structures, Artificial Intelligence, Machine Learning, Bioinformatics, Programming Handheld Systems, Object Oriented Programming, Computer Systems
- Accounting, Finance, Marketing, Management, Strategic Management of Human Capital, Entrepreneurial Capitalism

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EXPERIENCE

Associate Software Engineer
Fidelity Investments   Jan 2019 - present
- Design, implement, test, and code review solutions for new services and common capabilities in order to add new features and improve efficiency of existing functionalities.

Associate Software Engineer
Infosys   Sep 2018 – present
- Implemented new features for an e-commerce application using Java, Spring MVC, and Hibernate for the back-end and Angular for the front-end. Added features include giving the ability for customers to view products recommended to them and for sellers to view their recommended products, remove them, and add new recommendations.
- Used Microsoft Azure to analyze large datasets and incorporate appropriate machine learning algorithms to correctly classify them.

Corporate Technical Intern, Software Engineer Team Lead
Paradyme Management   Feb 2017 – Sep 2018
- Plan, implement, prototype, and test web applications using Django, Python, JavaScript, Git version control, MySQL, and AWS to increase corporate productivity, efficiency, and engagement.
- Create Python scripts to automate repetitive tasks and solutions in order to increase team efficiency.
- Set up and verify development environment in the operating systems of team members in order to minimize conflicts.
- Help define user stories, build product backlogs, compose proposals and timelines, and assess risks in order to plan for software projects.
- Promoted to Scrum Master to help manage 40 interns by holding Daily Scrums and coordinating Sprint Planning, Reviews, and Retrospectives in order to help oversee and take part in development of assigned projects via the Agile Scrum methodology.
- Deliver status reports to keep management updated on the progress of projects.

Research Analyst
University of Maryland   Nov 2017 – May 2018
- Assist in research project to improve machine learning algorithms of facial recognition under irregular lighting conditions.
- Create and modify Python scripts in order to automate or improve the efficiency of data collection.
- Prepare reports for aide in research methodology and analysis of results.

Artificial Intelligence Tutor
University of Maryland   Aug 2017 – May 2018
- Tutor students struggling with the Artificial Intelligence course, CMSC421, at the University of Maryland.
- Explain concepts/algorithms such as hill-climbing, simulated annealing, beam search, genetic algorithms, minimax/alpha-beta pruning, and Bayes Theorem in easy to understand language.
- Analyze student comprehension by going through example problems.