

# MIGUEL LORENZO M. AVILES

(703) 501-1932 - MAVILES@UMD.EDU

MIGUELLORENZO.NET | LINKEDIN.COM/IN/MLAVILES | GITHUB.COM/INTHERENZONE

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## EDUCATION

### B.S., Computer Science

University of Maryland, College Park

Minor in General Business

- Recipient of Maryland Delegate and Senatorial Scholarships
- VR Club
- Bitcamp 2017

Jan 2014 – May 2018

### Associate of Science

Anne Arundel Community College

- Recipient of Maryland Delegate and Senatorial Scholarships
- Dean's List

Aug 2012 – Dec 2013

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## COMPUTER SKILLS

**Platforms:** Windows, Unix, Linux

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

**Software:** Eclipse, Android Studio, Microsoft Office Suite, WordPress, Adobe Acrobat Pro and Photoshop, MATLAB

**Development:** Agile Scrum, Git, Django, Android

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## RELEVANT COURSEWORK

- Algorithms, Data Structures, Artificial Intelligence, Machine Learning, Bioinformatics, Programming Handheld Systems, Introduction to Computer Systems, Linear Algebra, Computer Organization, Object Oriented Programming, Signal and System Theory, Discrete Structures
- Accounting, Finance, Marketing, Management, Strategic Management of Human Capital, Entrepreneurial Capitalism

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## EXPERIENCE

### Artificial Intelligence Tutor

University of Maryland

Aug 2017 – Present

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

### Corporate Technical Intern

Paradyme Management

Feb 2017 - Present

- Investigate and apply Python, Django Web framework, Git version control, and relational database design concepts to 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.
- Help define User Stories, build the Product Backlog, lead, and develop for three separate projects so far: a resume parser and skills repository application, a Customer Relationship Management application similar to Salesforce, and a database application to store company constituent data.
- Trained in Project Management in order to apply concepts such as project scheduling, work breakdown structure, and risk planning to current projects.

### Canvass Representative

Thompson Creek Window Company

Oct 2012 – Oct 2014

- Collaborated with a diverse sales team.
- Canvassed neighborhoods to identify structural weaknesses.
- Set in-home customer appointments with homeowners in order to promote Thompson Creek products.

### Crew Member

Checkers Drive-In

Oct 2010 – Oct 2012

- Performed food tasks in all stations of the restaurant.
- Provided excellent customer service and mastered Point-of-Sale system.
- Promoted to "blue shirt" and delegated tasks to the crew and assisted managers.

### Intern

GEMS hosted by Walter Reed Army Institute of Research

Jul 2010 – Aug 2011

- Researched a wide range of interdisciplinary topics, including programming actions for a video game character, via in-depth, hands-on, and inquiry-based teaching modules.