

# Alexandro Fuentelzas

Languages: Java, Python, C, HTML, CSS, JavaScript

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## Education

### George Mason University, Honors College

Bachelor of Science in Computer Science

Falls Church, VA

Graduation Expected in May 2021

- Dean's List

Fall 17' – Present - **GPA: 3.70**

- Relevant Courses – Algorithms, Operating Systems, Data Structures, Object-Oriented in Java, Python, C, Linear Algebra, Discrete Math, Formal Methods and Models, Statistics for Engineers, Computer Systems and Programming

## Experience

### Amazon Web Services

Software Development Engineer Intern

Arlington, VA

June 20' – August 20'

### British Aerospace (BAE) Systems (Machine Learning)

Software Engineering Intern

Tysons, VA

May 19' – August 19'

- Leveraged open source tools to develop multiple machine learning models that were used to acquire intelligence on foreign militaries through object classification in images. Collected and annotated over 1000 images to train models and developed multiple scripts to prepare data and deploy models through AWS.
- Utilized Python, TensorFlow, YOLO, NumPy, Pillow, and Pickle to prepare the data and create the models.
- Incorporated Agile Development Methodologies through Jira to efficiently produce and deploy code.

### Socalysis (Full Stack)

Project Developer

Personal Project

May 20' – Present

- Designed, architected, and developed a robust and scalable social media marketing website for gathering and managing analytics from popular social media platforms.
- Utilized React.js, Node.js, MongoDB, and Express to design API models, ensure security through user authentication, and tailor user profiles for each social media platform.
- Infrastructure was designed with AWS EC2, S3, and Lambda services to integrate seamless workflows.

## Leadership and Awards

### Software Development Club, George Mason University

Co-Founder/Developer

Fairfax, VA

August '18 - Present

- Helping over 35 students grow a passion for software development. Learning new technologies by working on projects and attending hackathons. – <https://sdcgmu.org>

### George Mason University - PatriotHacks

Mentor/Co-lead of iOS workshop

Fairfax, VA

October 18' – October 18'

- Mentored 250+ students and assisted in running a workshop for iOS app development.
- Assisted students and taught them several programs/technologies such as Python, Java, debugging skills, API implementation from sponsors, scripting, and fundamental HTML/CSS.

### Georgetown University - HoyaHacks

February 2019

- Won 3<sup>rd</sup> place overall, 1<sup>st</sup> place for best Software hack sponsored by Microsoft, and 2<sup>nd</sup> place for best Amazon Web Services Hack.
- Created a service that can detect weapons using real-time camera footage with OpenCV.
- Developed the Python script which utilized TensorFlow, YOLO, and Darkflow to structure and train the model on over 400 annotated images and implemented AWS SNS service to alert users.

### University of Maryland - Bitcamp

April 2019

- Won 1<sup>st</sup> place best financial hack sponsored by Capital One and won Bitcamp Compass Challenge.
- Developed and deployed a python application on a mock ATM to assist the visually impaired in managing their personal finances. Utilized TensorFlow and YOLO for facial recognition of the user, Python's text-to-speech library, and google cloud's speech-to-text service to facilitate the user's interaction with the ATM.

## Skills

**Technical Skills:** React, Express, Machine Learning, Google Cloud, TensorFlow, MongoDB, Windows, Unix, Linux, iOS, Android, Amazon Web Services, Eclipse IDE, GitHub, Microsoft Office Suite