

Alexandro Fuentelzas

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Education

George Mason University

Bachelor of Science in Computer Science

Falls Church, VA

GPA: 3.76 - Magna cum laude

Relevant Coursework: Algorithms, Concurrent and Distributed Systems (Java), Databases (SQL), Data Structures (Java), Operating Systems (C), Object-Oriented (Java),

Honors: Dean's List 2017-2020, Member of Honors College

Experience

Amazon Web Services (AWS) - CloudTrail

Software Development Engineer - Full Stack

Arlington, VA

February 21' - Present

- Contributed to the release of a 6 year project that greatly improved the onboarding experience for AWS services, greatly reducing the onboarding time from roughly 2-4 weeks+ to less than 2 weeks. Led the pentesting process for our team and collaborated with senior engineers to successfully this product.
- Led the end-to-end development for the expansion of exception handling of CloudTrail events. Events that did not reach the end of its request chain are now able to be logged by CloudTrail, greatly improving the scope of our logging system's auditing capabilities.
- Developed and architected a ticket managing user interface for our team which reduced the operational work by 80%. Leveraged API Gateway, S3, Lambda, and DynamoDB.

Amazon Web Services (AWS) - Systems Manager

Software Development Engineer Intern

Arlington, VA

June 20' - August 20'

- Developed a modular component for the AWS Patch Manager and Managed Instances consoles under Systems Manager that displays patch metadata for supported operating systems.
- Improved the user experience by optimizing search functionalities to facilitate patch filtering for operating systems and applications and tailored the component to clearly distinguish the type of patches being viewed by customers.

British Aerospace (BAE) Systems

Software Engineer 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.

Leadership and Awards

University of Maryland - Bitcamp

April 2019

- Won 1st 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.

PatriotHacks

August 2018 - December 2020

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

Skills

Languages: : Java, Python, SQL, C, Rust, Javascript, Typescript, Ruby, SQL, HTML, CSS, Assembly x64

Frameworks/Tools: ReactJS, Spring, Redux, NodeJS, Django, Express, MongoDB, Vim, ANT, Mockito, Git, Version Control