

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, Member of Honors College

Experience

Amazon Web Services (AWS) - CloudTrail

Software Development Engineer 2 - Full Stack

Software Development Engineer 1 - Full Stack

Arlington, VA

December 22' - Present

February 21' - November 22'

- Led several teams through the design, implementation, testing, and launch of CloudTrail's new event category called NetworkActivity. This event type is responsible for enhancing customer's auditing visibility within AWS VPCs for all actions taking place over their VPC endpoints. This product is projected to earn 28M in revenue over 2025.
- Led my team through multiple high visibility security issues regarding data enumeration and exfiltration. Facilitated discussions with senior managers, directors, senior engineers, principal engineers and VPs to quickly close on a solution that will prevent malicious actors from leveraging open gaps and further securing our customer's data.
- Supported my team through the launch of CloudTrail's open audit events feature. I integrated CloudTrail's logging library in our service to enable CloudTrail auditing and verified CloudTrail event delivery was functional.
- 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.
- 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 launch this product.

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.

Skills

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

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