Calvin Min

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Education

University of Virginia *May 2023*
Bachelor of Science, Computer Science — GPA: 3.686 / 4.0
Minor, Business Engineering — GPA: 3.94 / 4.0

Relevant Coursework
Algorithms, Cloud Computing, Computer Architecture, Crypto Currency, Database Systems, Discrete Mathematics, Operating Systems

Professional Experience

Capital One *August 2023-Present*
Associate Software Engineer
- Designed and implemented a producer/consumer infrastructure to aggregate metadata from a third-party vendor.
- Collaborated with my team to migrate our infrastructure to AWS, enhancing our application's security.
- Cooperated diligently with team members to ensure multiple repositories met Capital One's standards.
- Proactively refactored internal APIs to meet industry standards for quality.

Software Engineering Intern *Summer 2022*
- Directed the creation of a full-stack application seamlessly integrated with Capital One's Automated Vulnerability Remediation (AVR) tool. Widely adopted by 85% of Capital One's technology teams, this application saves over 400,000 hours annually.
- Designed and implemented a high-level architecture of a full-scale application using Amazon Web Services and Jenkins.
- Deployed and maintained an application in multiple environments through Amazon ECS Fargate.

University of Virginia - *Undergraduate Research Assistant* *2021-2022*
- Repurposed Hypothesis.is, an open-source project to create a custom grading tool with Professor Apostolellis.
- Demonstrated expertise in Linux by configuring and managing the application in Centos 7 and Ubuntu 21.0.

Accenture Federal Services - *Associate Software Engineer* *2021-2022*
- Diagnosed and resolved front-end issues within the Cloud Tracker product, employing agile methodologies for efficient problem-solving.
- Applied advanced front-end debugging strategies to enhance a React Typescript application through effective refactoring techniques.

Novetta - *Cloud Computing Intern* *Summer 2021*
- Crafted and engineered a comprehensive full-stack web application to augment the capabilities of the Cloud Tracker, an established Novetta product.
- Constructed a serverless backend utilizing AWS Chalice, a Python microframework, alongside the development of a dynamic frontend client using React Typescript.

Activities and Leadership Experience

Delta Sigma Phi - *Events Chair* *2021–2022*
- Organized fraternity-wide events and fostered partnerships with other Greek organizations.
- Developed a comprehensive events budget of $20,000 and crafted a yearlong schedule to align with it.

UVA ONSP - *Orientation Leader* *Summer 2020*
- Worked individually with 150+ incoming students and virtually introduced them to the university.
- Acquired valuable skills in leading discussions on diversity and inclusion, fostering an inclusive environment for all.
- Assisted students by addressing inquiries and directing them to essential student life resources (academic, housing, etc.).

Additional Projects

ExperienceU - *Lead Software Developer* *Summer 2023*
- Crafted and executed the design process of a full-stack application in a fast-paced environment.
- Collaborated extensively with two other developers to create a React JS front end and a Flask back end.
- Maintained adherence to our planned schedule, ensuring our team was aligned with our intended timeline.

Technical Skills

Programming Languages: Python, Java, Go Lang, C++, SQL, Javascript, Haskell
Tools and Technologies: Git, Linux (Amazon Linux 2, CentOS, Ubuntu), React, Docker, Springboot, Angular, Flask, Web3
Cloud Frameworks: Amazon Web Services (Lambda, EC2, SQS, ECS, DyanmoDB, RDS, S3, IAM, Route 53, S3 and CloudWatch)
Professional Certifications: AWS Certified Solutions Architect - Associate Level (Aug 2022 - Aug 2025)