

Justin Ankrom

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EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Bachelor of Science in Electrical and Computer Engineering | GPA: 3.6/4.0

Expected Graduation: May 2025

- Relevant Coursework: Web Application Development, Cloud Computing, Computer Systems, Machine Learning in Practice, AI Representation and Problem Solving, Data Structures and Algorithms, Imperative Computation

EXPERIENCE

Atlassian

May 2024 – Present

Software Engineer Intern

Remote

- Designed and implemented a robust tracking metrics and visualization tools for key company features, providing critical data for informed business decisions and strategic planning.
- Created detailed usage charts and dashboards, significantly enhancing performance monitoring and optimization of product features used by 50+ engineers.

HelixVM

January 2024 – February 2024

Software Engineer Intern

Remote

- Developed a Google Chrome extension facilitating seamless video calls for doctors to engage with patients while accessing their charts in the same interface, eliminating the need for tab switching and enhancing workflow efficiency by 20%.
- Revitalized and redesigned an existing dashboard, integrating both aesthetic enhancements and new features to deliver a comprehensive upgrade, significantly improving its visual appeal and user functionality.

Rubrik

June 2023 – August 2023

Software Engineer Intern

Palo Alto, CA

- Developed and executed a pre-check system for Rubrik software installation across UI, CLI, and API interfaces, resulting in a 15% reduction in failed installation attempts caused by incorrect inputs.
- Engineered a state machine capable of pinpointing the failure point in previous software installation attempts, allowing for a resumption of the installation process at that stage, which accelerated the installation process by up to 80%, saving customers approximately 75 minutes.
- Implemented a job-level retry feature that automatically resets drive partitions in the event of a failed software installation attempt, subsequently retrying the installation process, which contributed to an 8% increase in installation success rate.

Flawless Technologies

June 2022 – August 2022

Software Engineer Intern

Remote

- Created a web scraping application utilizing the Selenium framework in C# to precisely identify the availability of highly sought-after products and execute automated purchases when they are in stock.

PROJECTS

RoamTogether | Python, Django, React, MySQL, Git

March 2024 – May 2024

- Created a user-centric travel planning website with group itinerary coordination for over 50 users and integrated an interactive review system with the Google Maps API for personalized recommendations.

Cloud Computing | AWS, Azure, GCP, Docker, Kubernetes, Terraform, CI/CD

January 2024 – February 2024

- Architected a Kubernetes cluster to host a website with multiple microservices running in Docker containers with a CI/CD pipeline that automatically tests and deploys on Azure and GCP.
- Engineered an AWS Auto Scaling group with Elastic Load Balancing and an Auto Scaling policy that met strict performance guidelines including cost, performance, and scalability.

Active Apply | React, Node.js, Google Sheets API, Git

August 2023 – Present

- Designed a Google Chrome extension integrated with the Google Sheets API for seamless tracking and storage of job application details, saving users an average of 35 seconds per job application.

TECHNICAL SKILLS

Programming Languages: Python, C, C#, SQL, HTML, CSS, Javascript, Java, Scala, X86-64

Frameworks/Tools/Technologies: AWS, Azure, GCP, Docker, Kubernetes, Terraform, Django, Github Actions, CI/CD, React, Node.js, Express.js, MongoDB, MySQL, NoSql, Selenium, Git, Jira, Kafka, Samza