Sam **Hu**

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Education

Cornell University *Ithaca, NY*
B.A., Computer Science & Economics *Aug 2016 – Dec 2019*
- GPA: 3.71; College of Arts & Sciences

Experience

Okta *Remote*
Software Engineer [Go, TypeScript/React, PostgreSQL] *Jan 2020 – Present*
- Wrote API functions, React components, and SQL migrations for features used by hundreds of customers on thousands of servers
- Shipped the Gateways, AWS Server Discovery, and AD Joined features as part of the Advanced Server Access team
- Mentored an intern on a full-stack project building out a customer-requested feature

Software Engineer Intern [JavaScript, Java] *Jun 2019 – Aug 2019*
- Shipped a feature that allows admin users to manage device lifecycles and user enrollment on the Okta platform via a UI dashboard
- Took ownership of this feature by implementing the user interface, integrating with REST APIs, and writing Jest/Selenium tests
- Led a hackathon project to analyze AWS usage and found a potential to save 2-10% of monthly cost via resource policies

Charles River Development *Burlington, MA*
Software Engineer Intern [Java] *Jun 2018 – Aug 2018*
- Restructured a service within the company's flagship software product that handles crucial processes for OTC derivatives trading
- Developed a proof of concept to improve the extensibility and modularity of the service by using open-source packages
- Presented my proof of concept for upgrading the service architecture to upper engineering management

Howard Hughes Medical Institute *Chevy Chase, MD*
IT Business Analyst Intern [SQL, Visual Basic] *May 2017 – Aug 2017*
- Increased internal financial reporting efficiency by 66% by developing a database application that automates data reconciliation
- Established and fulfilled a clear timeline for designing, developing, testing, and documenting the project deliverable

Cornell Business Analytics *Ithaca, NY*
Project Manager [Python] *Feb 2018 – May 2020*
- Managed two project teams of student analysts providing pro-bono business and technical consulting services to industry clients
- Led client meetings, set team agendas, and guided technical design to ensure the timeliness and quality of each deliverable

Projects

AD Joined *Go, TypeScript, React, PostgreSQL*
Implemented and owned the UI for a feature that allows users to import servers from AD. *Okta Advanced Server Access*
Wrote API functions that integrate with a separate microservice to serve the UI

AWS Server Integration *Go, TypeScript, React, PostgreSQL*
Designed a proof-of-concept for a feature to automatically sync AWS instances and metadata *Okta Advanced Server Access*
with the Okta ASA platform using aws-sdk-go and React - featured at Oktane21

Gateways *Go, TypeScript, React*
Implemented UI functionality for configuring gateway servers in Okta. Shipped a feature that *Okta Advanced Server Access*
allows users to route RDP traffic through a gateway to a target server

Customer Review Sentiment Analysis *Python - Scikit-learn, spaCy*
Shipped a feature for a startup e-commerce review provider that helps businesses analyze *Cornell Business Analytics*
consumer sentiment toward certain products using NLP

Skills

Tech Stack: Go, TypeScript, React, PostgreSQL, Git, Buildkite, AWS, DynamoDB, Docker, Kubernetes, Tilt
Coursework: Algorithms, Machine Learning, Artificial Intelligence, Statistics, Financial Accounting, Econometrics
Interests: Soccer, Volleyball, Spikeball, Hiking, Skiing, Snowboarding, Petting dogs, Quentin Tarantino films, Classic rock