

# Enoch Chigbu

New York, NY | 916-793-5062 | [enochchigbu@gmail.com](mailto:enochchigbu@gmail.com) | [linkedin.com/in/enochchigbu](https://www.linkedin.com/in/enochchigbu) | [enochchigbu.com](https://enochchigbu.com)

## EXPERIENCE

---

### Google

April 25' - Present | New York City, NY

#### *Software Engineer | Chrome AI and Web Advertising*

- Building agentic safety guardrails through prompt engineering and model fine-tuning for Chrome's future AI Agent, enabling 3+ billion users to delegate complex web tasks through autonomous web browsing
- Created evaluation pipelines to measure AI Agent reliability, safety, and performance across diverse web scenarios, establishing benchmarks for production deployment at scale
- Engineered an ETL pipeline to orchestrate Apache Spark jobs for ML training and ad measurement, using GCP Pub/Sub, Cloud Run, and Confidential VMs
- Designed and deployed infrastructure enabling partner teams to horizontally scale privacy-preserving APIs across multiple Trusted Execution Environments, increasing processing capacity by 500%
- Conducted dry run experiments in Chrome to evaluate the potential impact of advertising APIs, revealing a potential \$500M+ annual uplift in advertising spend among external partners across Chrome and Android

### Google

May '24 - Aug '24 | Seattle, WA

#### *Software Engineering Intern | Privacy Sandbox*

- Built a client-side API enabling ad sellers to customize and filter advertisement buyers before server-side auctions, reducing ad exchange auction latency and infrastructure costs for DSPs and SSPs
- Enabled ad buyers to assign priority values across audience segments, improving ad targeting precision, with partners like Meta and Amazon reporting increased conversion rates
- Wrote custom bash scripts to measure end-to-end latency within Android's private advertising selection pipeline, identifying bottlenecks leading to a 15% performance gain across the client-side advertising infrastructure

### Google

May '23 - Aug '23 | New York City, NY

#### *Software Engineering Intern | Ads*

- Added six new audience reporting groups within the advertisement insights section, giving 2M+ advertisers more information about their advertisement performance among specific user demographics
- Implemented a custom date range selector for the live performance graph within Google Ads Insights, reaching 100k+ Google Ads users in a 7-day window post-launch

## EDUCATION

---

### San Diego State University

Aug '21 - Dec '24

*Bachelor of Science, Computer Science with Minor in Mathematics*

GPA : 3.5

**Relevant Coursework:** Artificial Intelligence, Machine Learning, Operating Systems, Networks, Applied Probability

#### **Leadership and Involvement**

**CyberSecurity Organization** | *President (2024), Technical Lead (2023-24)*

Aug '23 - Dec '24

- Hosted 35 events/meetings with various guest speakers across the tech industry

**Quantum Computing Club** | *Technical Lead (2023-24)*

Aug '23 - Dec '24

- Organized workshops and hackathons on quantum algorithms and programming using Colab and Qiskit

## SKILLS

---

**Languages:** Python, Java, C++, Typescript, SQL, Bash, Dart, Rust

**Cloud & Infrastructure:** GCP, AWS, Docker, Kubernetes, Terraform, Apache Spark

**Frameworks & Tools:** React, Angular, Flask, Git, Bazel, Unix