

Gideon Tong

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RELEVANT EXPERIENCE

Cloudflare November 2023 - Present Systems Engineer

- Spearheaded the design and development of HTTP/2 multiplexing to origin servers, improving connection reuse by 75% and improving latency in applicable scenarios by an average of 30%
- Developed major features and integrations for core features like Cache Reserve and government compliance

Forma Cloud February 2023 - June 2023 Software Engineer

- Streamlined AWS savings of 70% to clients by integrating core company product with Microsoft Teams
- Increased click-through rate by 50% by developing new frontend elements
- Saved thousands of accounting hours by creating Python automatic billing integration on AWS Marketplace

Facebook September 2022 - December 2022 Technical Program Manager

- Increased team productivity by 50% by developing and implementing a framework for analyzing performance
- Increased code quality by 30% by implementing best practices and processes for code review in C, C++

NVIDIA September 2021 - September 2022 Software Engineer Intern

- Improved performance of map processor Go REST API, which brought server timeout rate to 0% and decreased average response time from 220 seconds to 30 milliseconds
- Developed tools for comparing RADAR and LiDAR point clouds from autonomous vehicles for mapping
- Increased map creation speed by 30% by analyzing and evaluating performance of ray tracing algorithms

JP Morgan Chase June 2021 - December 2021 Software Engineer Intern

US Air Force January 2021 - May 2021 Software Engineer Intern

Tudrme September 2018 - March 2020 Founder

- Navigated stages of startup growth and led team to build solutions for educational technology for customers
- Led a successful exit and negotiated a buyout for all owners (3 co-founders)

RESEARCH EXPERIENCE

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- ### Outpost: Peer-to-Peer Wireless Toolkit
- Led research team at UC San Diego and obtained \$8,000 in funding to develop hardware and software for long-range local communication using off-the-shelf components like Arduino and ESP8266
 - Created software library for encrypted peer-to-peer discovery and communication over LoRa wireless protocol

EDUCATION

University of California, San Diego **December 2022**
B.S. Electrical Engineering | Machine Learning and Controls Depth | Business Operations Minor | Dance Minor

SKILLS

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- **Languages:** Rust, Python, C/C++, Go, Javascript (ES6), Java, SQL, HTML/CSS
 - **Platforms:** Unix/Linux, Windows, macOS, Arduino, Raspberry Pi, Android, iOS, GitHub, Docker, Redis, NoSQL
 - **Workflow:** Git, Kubernetes, Continuous Integration/Deployment (CI/CD), Jenkins, Unit Testing (JUnit)