# Gideon Tong

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## RELEVANT EXPERIENCE

**Cloudflare**                                                                                              **November 2023 - Present**
**Systems Engineer**
- Developed major features and integrations for core features like Cache Reserve and government compliance
- Spearheaded HTTP/2 multiplexing to origin servers project, improving connection reuse by 75% and improving latency in applicable scenarios by an average of 30%

**Forma Cloud**                                                                                            **February 2023 - June 2023**
**Software Engineer**
- Saved thousands of accounting hours by creating Python automatic billing integration on AWS Marketplace
- 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

**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

**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

- **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)