

# Jason Sun's Resume

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## Profile

Senior Software Engineering Leader with 10+ years of experience building and scaling AI/ML systems and leading high-performance engineering teams. Proven track record of driving technical strategy and delivering complex projects in fast-paced environments from early-stage startups to Fortune 500 companies. Led multiple teams of 5-15 engineers while managing stakeholder relationships and mentoring junior talent.

- Technical Leadership & Team Management: Led cross-functional teams of 5-15 engineers, mentored junior developers, managed hiring/performance reviews
- AI/ML Systems: Production experience with LLMs, RAG, AI agents, computer vision, and autonomous systems
- Architecture & System Design: Designed and scaled distributed systems handling millions of requests
- Full-stack Development: React, Next.js, TypeScript, GraphQL, Python, C++
- Cloud & Infrastructure: AWS, GCP, Azure, Kubernetes, Docker

## Work Experience

- Principal & Technical Consultant *Adanomad Consulting* Mar. 2023 – present
  - Manage high-performing teams of engineers and research scientists developing AI solutions clients
  - Established technical direction and architecture for multiple client projects
  - Mentor and coach team members while managing client relationships and project deliverables
- Robotics Software Engineer Amazon Lab126 June 2019 — Jan. 2022 Sunnyvale, California
  - Worked on Amazon Astro robot, real-time platform mapping infrastructure architecture
  - Drove cross-functional architecture collaboration between hardware, software, and product teams
  - Mentored junior engineers and interns, conducting performance reviews and career development
  - ROS (Robot Operating System), C++, Python, Java, and full-stack web
- Autonomous Systems Software Engineer *AutoX Technologies Inc.* in Aug. 2017 – May 2019 San Jose, California
  - Developed self driving vehicle systems from concept to prototypes in an ambiguous and rapidly evolving research and product
  - Early engineer (#10) at Seed to Series A self-driving car startup, contributing to growth from 10 to 150+ employees
  - Led team of 6 engineers building vehicle to cloud apps infrastructure, using C++, Python, GraphQL, Node.js, React

- Built HD mapping and point cloud processing infrastructure for autonomous vehicle localization
  - Managed technical integration between multiple teams (perception, planning, controls)
- Software Engineer, iPhone Hardware Reliability Software *Apple Inc.* in Nov. 2015 — Jan. 2017 in Cupertino, California
  - New graduate hire into iOS device management team
  - Architected and built full-stack website (Rails API, Ember.js, nginx, MySQL) for managing iOS device fleet
  - Developed client-side task runners for automated test distribution
  - Created internal iOS and macOS applications using Swift and Objective-C
  - Improved reliability tools used across multiple product lines
- Undergrad Research Assistant at University of Waterloo in May 2015 — September 2015 in Waterloo, Ontario
  - Collaborated with AI professor and research team on NLP chatbot project
  - Built prototype for customer support chat suggestions using Apache Lucene and TF-IDF
- Software Engineer Intern *Shutterfly Inc.* in July 2014 — August 2014 Redwood City, California
  - Designed and implemented distributed REST API service using Java/Scala and Apache Cassandra
  - Created network load testing framework for distributed image hosting service
  - Worked with platform team on high-throughput system architecture
- Software Developer at *Encircle Inc.* in May 2014 — Jun. 2014 Kitchener, Ontario
  - First engineer intern fullstack web developer in the Velocity Garage startup building insurance claims platform
  - Built REST APIs with Python/Tornado and developed hybrid mobile apps (iOS/Android)
- Software Tools Developer Intern at RIM (BlackBerry) in Sept. 2013 — Dec. 2013 Ottawa, Ontario
  - Enhanced GitLab features (Ruby on Rails) and Github to GitLab migration
  - Built automated UI testing framework using Selenium WebDriver
- Physics Teaching Assistant at *Wilfrid Laurier University* in September 2011 - April 2012 in Waterloo, Ontario
  - Developed a spectrometer reading program in Python using the pySerial library to automate the reading of lab samples and generate a spreadsheet file.

## Education

- *University of Waterloo* Bachelor of Computer Science.
- Exchange at *EPFL (Swiss Federal Institute of Technology at Lausanne)*.