

# GAVIN W. KLINE

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## PROFESSIONAL EXPERIENCE

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### GORJIAN AQUISITIONS

#### VP of Software Engineering

September 2023 – Present

- Initiated and leading the end-to-end design and development of an automated email marketing infrastructure, replacing a high-volume manual system to significantly enhance marketing campaign efficiency and data accuracy.
- Engineering custom AI-driven chatbots for intelligent email responses, employing fine-tuned machine learning models to ensure personalized and timely engagement with clients.

### WHOP

#### Backend Software Engineer

June 2022 – July 2023

- Developed and maintained Ruby on Rails backend services, background workers, and internal GraphQL APIs (supporting over 7k requests/min on average).
- Performed database maintenance and performance enhancements for Whop's PostgreSQL database, resulting in a significant reduction of the sitewide timeout threshold from 30 seconds to 7.5 seconds (with 10 "key" transaction having an average 70% decrease in response time).
- Owned the design, development and performance optimization of the public RESTful API, achieving sub-30ms average response time and handling 1k requests/min on average, with peaks of 5k requests/min.
- Built and maintained integrations with Discord, Telegram, and TradingView, processing millions of dollars in marketplace transactions and managing access for over 300k paying customers.

### CACI INC – PM IVAS

#### Software Engineering Intern

June 2021 – May 2022

- Developed software in Python to aid with mission recon using computer vision. Used OpenCV, Pandas, and NumPy to intelligently and programmatically map ingested drone footage onto a 2D plane.
- Wrote tooling to display drone flight statistics, including using linear regression to predict information about the remaining flight time and distance.
- Collaborated with Microsoft to conduct load and performance testing for the equipment developed during the project.

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## EDUCATION

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### SYRACUSE UNIVERSITY

#### Syracuse, NY

August 2019 – May 2022

- Bachelor's of Science in Computer Science
- Graduated in three academic years (2019-2022)
- Played Division 1 Men's Lacrosse at the second winningest program in NCAA history

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## SKILLS

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### PROGRAMMING LANGUAGES / FRAMEWORKS:

- Ruby (Rails, Grape, RSpec, Sidekiq), JavaScript/Typescript (React.JS, Next.JS, Svelte, Sveltekit), Python (Pandas, NumPy, OpenCV), Golang, SQL (PostgreSQL), NoSQL (MongoDB)

### TOOLS

- Git, Docker, Redis, Memcached, GraphQL and RESTful API design

### AREAS OF EXPERTISE

- Backend development, database design and maintenance, application performance optimization, driving million dollar growth, high-pressure environments, team collaboration, test driven development

### OTHER

- Secret Security Clearance (DoD, 2021)