Jake Rothstein

415-969-0949 | jake.b.rothstein@gmail.com | linkedin.com/in/j-rothstein | github.com/jakerothstein | US Citizen

EDUCATION

Georgia Institute of Technology — Atlanta, GA
B.S. Computer Science, GPA: 3.9 — *(Expected) May 2027*
- Threads: System Architecture & Cyber Security; Member, GreyHat Cyber Security Club
- Courses: Human Dimension of Cybersecurity, Systems & Networks, Data Structures & Algorithms, Design & Analysis of Algorithms, Computer Organization & Programming, Objects & Design, Discrete Math

College of San Mateo — San Mateo, CA
Dual Enrollment, GPA: 4.0 — *2020 – 2024*
- Courses: Intro to OOP (Java), C++, Enterprise DB Management / SQL, Multivariable Calculus

Burlingame High School — Burlingame, CA
Valedictorian, GPA: 4.33 — *2020 – 2024*

EXPERIENCE

The Home Depot — San Francisco, CA (Remote) / Atlanta, GA
Software Engineer Intern — *Summer 2025*
- Partnered with Product, Design, and Engineering teams to re-architect and enhance event software for 100+ annual events used by 5000+ associates.
- Developed web app with Slack integrations using Java Spring Boot and React, deployed on Google Cloud Kubernetes with automated GitHub CI/CD pipelines.

GT Financial Services Innovation Lab — Atlanta, GA
Undergraduate Researcher — *Spring – Fall 2025*
- Designed 150+ annotated credit card agreement questions using numerical reasoning techniques (CoT and PoT) for model training and evaluation.
- Built statistical and visual reports comparing industry and cyber risk over time from SEC 10-K filings using tokenization and semantic analysis.
- Part of Vertically Integrated Projects (VIP) program under Dr. Sudheer Chava; expected publication 2026.

Computacenter — Remote
Software Engineer Intern — *2023 – 2024*
- Created a Slack app enabling admins to on/offboard 5K+ employees across systems like ServiceNow, Opsgenie, PRTG, and Slack using FastAPI.
- Developed hardware error monitoring tool interfacing with NocoDB, scaled to 50+ clients.

Neucargo — San Francisco, CA
Co-Founder — *Summer 2022*
- Developed Smartsheet integration to automate tracking of UPS, FedEx, and MACH1 shipment statuses.

The Burlingame B — Burlingame, CA
Managing Editor, Head Photographer — *2021 – 2024*
- Trained 30-person journalism staff in journalistic writing, photography, and digital media.
- Automated daily assignments and deadline reminders, ensuring no gaps in coverage.

PROJECTS

PDF Malware Detector (Millennium Capital) | *Python, SVM, ML*
- Built SVM-based malware detector using 2022 dataset; extracted structural features and scaled data; benchmarked against logistic regression and Random Forest with 88% accuracy.

LeadDog AI | *Python, Web Scraping, API*
- AI lead generation software identifying employees for targeted sales campaigns; bypassed rate limits of public/private APIs.

PlantX (Columbia AI Seminar) | *AI Search, Image Classification*
- Built AI search algorithm to predict plant disease with 80% accuracy.

StudyBot | *Python, AWS EC2, Discord API*
- Developed multiplayer Discord trivia game using Quizlet sets, deployed to 100+ servers.

Technical Skills

Languages & Frameworks: Java, Python, Go, C++, React, PostgreSQL, Spring Boot, Django
Software & Platforms: Burp Suite, Docker, Git, Google Cloud, AWS, Figma, Adobe, Jira, Ghidra
Other: Kubernetes, CI/CD

Interests

Running, Hiking, Photography, Local volunteering