MATTHEW JINO KIM

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EDUCATION

Dartmouth College, Hanover, NH   **September 2021 - June 2025**
Bachelor of Arts, Double Major in Computer Science and Chinese Language   **GPA:** 3.67/4.0
Relevant Coursework: Operating Systems, Computer Architecture, Database Systems, UI/UX, Full Stack Web Development, Discrete Mathematics, Algorithms, Software Design and Implementation, Object-Oriented Programming

TECHNICAL SKILLS

Languages: Python, Java, C, Scala, Swift, JavaScript, TypeScript, HTML/CSS, SQL, R, Bash, Assembly (x86)
Frameworks & Tools: React.js, React Native, Expo, Node.js, Django, MongoDB, Docker, AWS, Azure, Google Cloud Platform, Apache Spark, Redis, Celery, Git, GitHub Actions
Software: VS Code, PyCharm, IntelliJ, Xcode, Android Studio, RStudio, Figma, Postman, MySQL Workbench

WORK EXPERIENCE

Feast   **January 2025 – Current**
Lead Software Engineer   *Remote*
- Developed a React Native app and React web platform using TypeScript for Feast, a B2B employee benefit platform connecting companies with private chefs.
- Collaborated with the CTO to implement user feedback-driven improvements, including automated email workflows, calendar scheduling via Cloud Run Functions (GCP), and chef payment processing with Stripe APIs and Webhooks.
- Built and maintain backend endpoints on AWS EC2 that have processed $1,500+ in orders during beta testing and onboarded nearly 50 chefs,

Microsoft   **June 2024 – August 2024**
Software Engineer Intern   *Redmond, WA*
- Automated investigation of services failing uptime SLAs by developing 3 Scala Spark pipelines on Azure Synapse, analyzing log data from 7 authentication services across 9 regions, and visualizing results in Power BI.
- Optimized local Spark project build time from 20 minutes to under 3 minutes, enhancing testing efficiency before deployment to Pre-Production (PPE) and Production (PROD) environments.
- Collaborated with 6 engineering managers and 3 PMs to identify project requirements, demonstrating initiative and clear communication.

Senao Networks   **September 2023 – February 2024**
Software Engineer Intern   *Taipei, Taiwan*
- Developed two full-stack web apps with Django and MongoDB for querying network packet data and managing firmware for routers, switches, and access points, improving data access and device management.
- Automated CI/CD with GitHub Actions and Docker, deploying to an Ubuntu EC2 server, improving efficiency.
- Developed RESTful APIs with JSON payloads for user authentication and verification, enhancing security.

ACADEMIC PROJECTS

MeetMe   **Sept 2024 – March 2025**
Dartmouth College: Senior Design and Implementation Course Participant   *Hanover, NH*
- Developed a full-stack iOS app with SwiftUI for Google Calendar and Apple Calendar integration, enabling cross-platform event comparison and scheduling in group chats.
- Built and taught teammates how to use Django, implementing a REST API, Google Calendar API calls, and Celery with Redis to handle asynchronous task processing.
- Led project planning, created three Figma prototypes, conducted user testing with 40 participants, and collaborated with six developers in a sprint-based workflow.

Yalnix   **January 2025 – March 2025**
Dartmouth College: Operating Systems Course Participant   *Hanover, NH*
- Built a custom OS kernel for Yalnix Operating System on the DCS 58 architecture, implementing virtual memory management, process scheduling, and system calls.
- Designed and implemented page tables, TLB management, and kernel context switching, ensuring efficient memory protection and process isolation.
- Developed and debugged system traps, interrupts, and exception handling, improving system stability and performance.