Eric Chung

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EDUCATION

University of Washington — Seattle, WA
Bachelor of Science in Computer Science, Minor in Business — *(expected graduation) 06/2025*

EXPERIENCE

Software Engineer Intern - DevOps — 06/2024 – 09/2024
Direqt — *Seattle, WA*

- Engineered **CircleCI** CI/CD **pipelines** with an **80%** success rate and **Slack** notification integration to **automate** the AI **chatbot evaluation** process and Direqt Chat **API** Github **deployment**, utilizing **Docker** containerization and Google **Cloud Run** and **Scheduler**
- Developed daily and monthly data report **charts** for the business team, visualizing over **100 GB** of user interaction data with the chatbots and enhancing insights for more than **3** company **clients** using **Chart.js**, **TypeScript**, and **Google BigQuery**
- Migrated reporting **data** for the operations team from **MongoDB** to **Google BigQuery** to gain more business insights with over **400 GB** of data and enhance query speed by **15%** using **TypeScript**
- Created a **log-based alert** system on Google Cloud Platform to **monitor** vector database failures due to full storage capacity, resulting in a **20%** reduction in system **downtime**
- Upgraded the **Redis** version of a Google **Memorystore** for Redis instance from **4.0** to **7.0**, safely exporting over **100 GB** of RDB backup data to a Cloud **Storage Bucket**

Software Engineer Intern - Backend — 10/2023 – 02/2024
humanID — *Seattle, WA*

- Engineered the integration of the **Stripe API** to update and monitor client balances via payment transactions, processing over **100** transactions weekly
- Configured **webhooks** to notify when client balances reached a specified threshold, reducing instances of low balance by **30%** using Python and Django
- Developed robust **test suites** to validate API functionalities and webhook responses, achieving **95%** test coverage
- Optimized **MySQL** database queries, speeding up the retrieval and presentation of real-time client data on the dashboard by **10%**

PROJECTS

Memento Mori App | *React Native, Expo, TypeScript, Redux, Node.js, Express, PostgreSQL, Redis, Docker, AWS*

https://github.com/eric-huychung/memento-mori

- Developed a Minimum Viable Product **(MVP)** of a React Native **mobile application** for storing and sharing image files with interactions, engaging **5+ users** in beta testing
- Created the product's wireframe and prototype from scratch, with a **7+ pages Figma** design
- Utilized **Google OAuth 2.0** for user **authentication**, accommodating up to **50,000** monthly active **users**
- Incorporated **REST APIs** to fetch and display data from the server, utilizing **Redux** for consistent and predictable state management, resulting in more efficient **data handling**
- Improved **user experience** and application **performance** by implemented **Redis** to store session data and cache, reducing **login time** by **50%**
- Integrated **Docker** with **3+ containers**, streamlining the consistent development and deployment process
- Deployed the application on **AWS** using **EC2** instances

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, C, SQL, (HTML/CSS/Sass)
Frameworks: Expo, Express, Next.js, Django, Bootstrap
Database: PostgreSQL, MySQL, MongoDB, Redis
Libraries: React, Node.js, Redux, jQuery, Mongoose
Developer Tools: Git, Docker, Google Cloud Platform, Amazon Web Services, Figma, Github Actions, CircleCI