

# Eric Chung

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## EDUCATION

### University of Washington

Bachelor of Science in Computer Science, Minor in Business

Seattle, WA

09/2021 – 06/2025 (expected)

## EXPERIENCE

### Software Engineer Intern

Direqt Seattle, WA

- Updated the **daily report** using TypeScript to pull data from Google Cloud Platform **BigQuery** instead of MongoDB, handling over **400 GB** of data, which improved query performance by **15%** and reduced costs by **5%**
- Created a **log-based alert** system on Google Cloud Platform to monitor Vector DB failures due to full storage capacity, resulting in a **20%** reduction in system downtime
- Upgraded the **Redis** version of a Google Cloud Platform **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

humanID 10/2023 – 02/2024

Seattle, WA

- Utilized **Stripe API** to update and monitor client balances via payment transactions, processing over **100** transactions weekly
- Configured **webhooks** using Python and Django to notify when client balances reached a specified threshold, reducing instances of low balance by **30%**
- Created robust **test suites** validating 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%**

### Front End Web Developer

UW Sensors, Energy, and Automation Laboratory 06/2022 – 09/2022

Seattle, WA

- Developed a maintainable website from scratch in a team of **5** using HTML, CSS/Sass, and JavaScript
- Integrated responsive and consistent design to optimize web **user interface and experience** with **Bootstrap**
- Automated lab administrative process and notifications to lab members using **Google Apps Script**

## 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:** Postgres, MySQL, MongoDB, Redis

**Libraries:** React, Node.js, Redux, jQuery, Mongoose

**Developer Tools:** Git, Docker, Google Cloud Platform, Amazon Web Services, Figma, Github Actions