

RAYMOND CHEN

raymondhechen@gmail.com | raymondchen.me | linkedin.com/in/raymondhechen | github.com/raymondhechen

EDUCATION

Duke University

May 2022

- **Majors:** B.S. Computer Science, Statistics, **GPA:** 3.87
- **Courses:** Data Structures, Algorithms, Databases, Operating Systems, Computer Architecture, Networking, Discrete Math, Probability, Linear Algebra, Multivariable Calculus, Bayesian Statistics, Machine Learning
- **Fellow** @ Contrary Capital, Pear VC, On Deck Catalyst

SKILLS

Programming: TypeScript, Go, Python, Java, C, C++

Data: R, NumPy, Pandas, MySQL, MongoDB

Web Dev: HTML, CSS, React, Redux, Vue, Node

Systems: Docker, Kubernetes, AWS, GCP, Datadog, Git

EXPERIENCE

Anduril, Perception Engineer Intern

May 2021 – Aug. 2021

- Implemented map tile storage for offline capability in a distributed system via a proprietary peer-to-peer IoT network.
- Migrated existing map layers service to a new key value storage system for real-time syncing across network assets.
- Boosted performance of a proprietary data version control system and data lake by over 30x, supporting the internal perception team of over 100 machine learning and infrastructure engineers.

Facebook, Software Engineer Intern

Jan 2021 - April 2021

- Built the initial mobile prototype for a greenfield project on Facebook/Instagram using a cross platform framework.
- Constructed web and mobile pages in React and Native Templates, along with backend infra in Hack, generating user advertisement customization functionality for over 25M daily users.
- Successfully identified, debugged, and implemented fixes for cross-platform issues affecting over 100K daily users.

Pendo, Software Engineer Intern

June 2020 - Aug. 2020

- Contributed to a \$100M ARR product analytics SaaS tool by implementing and shipping customer-requested features.
- Built frontend components and interactions in Vue with end-to-end testing in Jest and Cypress, while supporting backend API routing and endpoints in Go, Martini, and Google Cloud Platform.
- Integrated into a scrum team of 6 engineers and a product manager to drive development in an Agile environment.

Underwriter Laboratories, Data Science Intern

April 2020 - June 2020

- Initiated an internal project to transform product nomenclature storage and searchability using regular expressions.
- Devised a graph algorithm to parse Regex statements, reducing complexity over brute force models by ~40%.

OTHERS

Scope (scope.so), Co-Founder

Jan 2021 - Present

- Built a spatial drop-in audio/video conferencing application for distributed teams that you can embed anything on.
- Led engineering in React, Express, AWS, MongoDB, along with product design, company branding, and marketing.
- Currently in Beta with over 100 users, including students, product managers, engineering managers, etc.

The Cube, VP of Innovation & Entrepreneurship

Feb 2020 - Present

- Led growth of Duke's premier entrepreneurship-focused organization of over 50 members and 70 alumni.
- Created initiatives including social media, newsletters, lightning talks, and pitch competitions to build community.

Duke Impact Investing Group, Project Manager

Feb. 2020 – Jan 2021

- Collaborated with investment and consulting directors to research and quantify growth metrics in the AEC industry for a \$10M venture fund, delivering a vetting pipeline and evaluation process for potential investments.