

Raymond Li

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SKILLS

Languages: Python, JavaScript (React, Node), Kotlin/Java, C/C++, HTML/CSS, Bash, LaTeX

Technologies: Git, GCP, Selenium, Docker, Apache, Arch Linux, WSL, Jenkins, Jira, Google-fu

Specializations: Machine Learning, Self-Supervised Learning, UI, XR dev, Cybersecurity

WORK EXPERIENCE

Tesla **Palo Alto, CA**

Software Engineering Intern

Jan – Apr 2024

- Building a multi-layered cache system for SCons to speed up builds (Python, React.js, Docker)

CharaChorder

Dallas, TX

Open Source

May 2023 – Present

- Driving open-source products to educate and train to revamp the way humans type
- Leading development of [nexus](#), a cross-platform desktop app providing typing analysis

AWS (Amazon)

Seattle, WA

SDE Intern

Jan – Apr 2023

- Developed Python job to cleanup **30,000+** incommunicado (**96%** of all) DynamoDB Transaction-Coordinator nodes, significantly reducing EC2 usage costs, and receiving SVP commendation
- Resolved **30+** Sev-3 tickets and halved weekly ticket count through incremental sprintwork

PlayStation (Sony)

San Francisco, CA

Software Engineering Intern

May – Aug 2022

- Independently conceived, designed, developed and documented **first ever PS5 Easter Egg**
- Migrated **50%** of custom React Native tile components in PS5 Control Center app to common SDK, simplifying codebase, reducing compilation time and improving maintainability

SDET Intern

May – Aug 2021

- First prize at PlayStation worldwide hackathon (game-recommendation app, out of **100+** teams)
- Created **Chrome Extension** to compare different versions of test specifications, and scripts to automatically sort, version, label and template pytest test scripts, reducing time required by **90%**

PROJECTS

[i3lock-color](#)  C, X11

950+ stars, 120+ forks, 10,000+ users

- Owner and maintainer of the world's most popular non-default computer lockscreen

[VoiceBox](#)  React.js, Material UI

- Text-to-speech webapp using Google Cloud AI, acquired by [iq-eg](#) (non-profit organization)

[Food Detective](#)  Kotlin, Android, ChatGPT

- Generative-AI powered healthtech app using LLMs to decipher cryptic ingredient lists

EDUCATION

University of Waterloo **Bachelor's of Computer Science (Co-op)** · Sep 2020 – Aug 2024

- 3.9 GPA, co-designed [CS 136L](#) Linux course, 2023 Sysadmin of Computer Science Club
- Research Assistantship: Created ML models to classify pilot skill based on real simulator data

Interests: Enjoys skiing, playing chess and violin, and would like to try skydiving. #btwluseArch