

# DUEON KIM

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## Summary

Recent computer science graduate looking for a position where my education, technical and programming knowledge can be applied together.

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## Education

**Oregon State University:** B.S - Computer Science December 2022 GPA 3.8

**University of California, Santa Barbara:** B.A - Business Economics with Accounting

**Relevant coursework:** Data structures, Analysis of algorithms, Web development, Operating systems, Databases, Discrete mathematics, Mobile Development, Android Development, Security, Software Engineering I, II

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## Highlights

- Knowledgeable in android and cross-platform mobile development
- Knowledgeable with REST API and modern web frameworks/libraries.
- Experienced with procedural and object-oriented programming.

## Technical Skills

**Experienced:** Python, JavaScript, Typescript, C, Java, React, Redux, Dart, Flutter, Android SDK, Node, Express, Flask, HTML, CSS, MySQL

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## Work Experience

**Senior Accountant** – Crimson Holdings (2016 – Present)

Oversee the entire accounting operations of a real estate investing and managing firm. Duties include but not limited to: financial reconciliations, general ledger analysis, financial reporting, forecasting & auditing.

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## Projects

**Job Tracker** - | <https://github.com/Dueonkim89/Job-Tracker>

- Capstone project built with 3 other teammates.
- A full-stack web application for tracking and updating the status of recent graduates' job applications.
- Established react context to manage and update user login state for the application.
- Allowed users to register for membership, post job applications, job skills and companies.
- Enabled client-side routing for a single page application.
- Collaborated with the server-side team to fix bugs and implement REST API
- Created company overview page to list all job applications and skills for a particular company.

**Readit** - | <https://thawing-sands-68410.herokuapp.com/>

- A CRUD web application loosely inspired by Reddit.
- Used Redux to manage the state of the application.
- Used express for server-side routing and handling HTTP requests.
- Used React-router-dom to enable SPA.
- Deployed to heroku using Node.js

**Random Recipe Generator** - | <https://random-country-recipes.herokuapp.com/>

- Web application to generate recipes from random countries based on user selection.
- Used flask to handle HTTP requests and calls to the Spoonacular API.
- Used jinja for HTML web templating.
- Deployed to Heroku using python.

**Small Shell** - | <https://github.com/Dueonkim89/Small-Shell>

- A lightweight shell program for linux terminals.
- Handled user commands via forking a new process. Commands can be run in foreground or background.
- Custom signal handlers for SIGINT and SIGTSTP
- IO redirection enabled via < and >

**Xiangqi (Chinese Chess)** - | <https://github.com/Dueonkim89/Xiangqi-game>

- Chinese chess playable in the terminal against a friend written in python.
- Used object-oriented programming to create inheritable classes for the different pieces on the board.
- Created class methods to implement game rules and determine if checkmate.