Ian Kim

Los Angeles, California | (951) 255-7811 | iank339@gmail.com | linkedin.com/in/iank339/

EDUCATION

University of California, Riverside *Sep 2019 - Dec 2023*

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures & Algorithms, Intro to Software Engineering, Software Construction, Embedded Systems, Technical Communications

WORK EXPERIENCE

Target **Upland, CA**
Fulfillment Expert *Jun 2021 - Sep 2021*

- Fulfilled online orders daily, ensuring accurate sorting and packing for timely delivery with marginal errors.
- Utilized extensive product knowledge to anticipate and satisfy guests' requirements, enhancing overall customer experience.
- Contributed to department productivity by processing items with minimal downtime in between orders.
- Engaged and communicated with guests to better understand their specific needs.
- Supported guest services for other department duties such as general merchandise and cashier.

PROJECTS

Elementary
C++, Github, Kanban, GoogleTest

- Designed a turn-based RPG app with battle mechanics inspired by Pokémon, focusing on the interaction between Greek elements (fire, earth, wind, and water), simulating a rock-paper-scissors approach.
- Implemented software design patterns such as Factory pattern and Strategy pattern to tailor to the gameplay design.
- Leveraged Visual Studio's live-share features to foster communication and interaction between team members.
- Utilized Kanban methodology to organize individual tasks and workflow.

RandomThingGen
C++, JavaScript, HTML, CSS, Github

- Collaborated effectively in a team of four to build a website that allow writers to randomly generate various things (characters, locations, objects) when lacking inspiration.
- Communicated in a group environment to ensure timely completion of project milestones and deliverable deadlines.
- Implemented features that allowed users to select the type of prompts they wished to generate.
- Integrated OpenAI libraries to generate descriptions based on templated results, enhancing the diversity of generated content.

Weather Monitor Display
C, Arduino, TinkerCAD

- Developed an Arduino sketch to read live temperature and humidity data using microcontroller components such as a DHT sensor and 4-digit display.
- Utilized finite state machine logic to switch between 3 different display modes, giving multipurpose functionality to a physical joystick component.
- Gained hands-on experience troubleshooting code linked to physical hardware and resolving technical issues with system functionality.

Movie Datastore
C++, JavaScript, HTML, CSS, GoogleTest

- Created a database from scratch capable of performing basic CRUD operations, ensuring data integrity and efficiency
- Enabled efficient manipulation of Movie and Actor classes by using appropriate data structures.
- Utilized GoogleTest framework to troubleshoot and validate correct functionality of classes, ensuring attributes returned the correct data.
- Participated in Scrum/Agile methodologies with group members, simulating and gaining exposure to professional industry practices

SKILLS

- Languages: *(proficient)*: C++, C, SQL *(familiar)*: Java, Python, JavaScript, HTML/CSS
- Git, Github, Visual Studio
- Sprint/Agile, Kanban, GoogleTest