

# Arjun Aggarwal

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## SUMMARY OF QUALIFICATIONS

- Enthusiastic Computer Science graduate student specializing in Software Engineering and AI/ML.
  - Proficient in both Back-End and Front-End programming, dedicated to crafting innovative software solutions.
  - **Programming Languages/Technologies:** Java, C++, R, Python(pandas, NumPy), SQL, NoSQL, HTML, CSS, JavaScript, ReactJS, Dart, Flutter, Kotlin
  - **Technical Tools:** Git, Android Studio, AWS, MySQL
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## EDUCATION AND COURSEWORK

### University of California, Los Angeles

Sep 2023 - June 2025

Master of Science in Computer Science; Concentration in Artificial Intelligence/Machine Learning

Los Angeles, CA

- *Coursework:* Automated Reasoning, Reinforcement Learning, Advanced Data Mining, Software Engineering

### University of Washington, Seattle GPA: 3.67/4.0

Sep 2018 - June 2022

Bachelor of Science in Informatics; Concentration in Software Engineering and Data Science

Seattle, WA

- *Coursework:* Java Programming I & II, Database Systems and Internals (SQL, XPath, XQuery, SQL++), Data Structures and Algorithms (Java), Client-Side Development (JavaScript, HTML, CSS, ReactJS), Core and Advanced Methods in Data Science(Python, R), Mobile Development: Android(Java, Kotlin, XML), Server-Side Development(NodeJS)
  - *Awards:* Dean's List- Winter 2020, Spring 2020, Fall 2020, Winter 2021, Spring 2021, Winter 2022
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## PROJECTS

### Dormino Web App: Web Development

Software Developer

Jan 2022 – June 2022

- Led the development of Dormino, an innovative web platform that enhances dormitory life by enabling information sharing among residents.
- Leveraged my expertise in web technologies, including ReactJS, HTML, CSS, and JavaScript, to create an intuitive and responsive user interface.
- Utilized modern development concepts such as ES6 and React-router to ensure a seamless user experience.
- GitHub Repository: <https://github.com/Walowizard-1/dormino>

### LangXpert Android App: Android Development

Android Developer

March 2021 – June 2021

- Spearheaded the creation of the LangXpert Android app, a vocabulary list application designed to facilitate language learning.
- Crafted the application using Kotlin and Android Studio, allowing users to add new words, definitions, synonyms, antonyms, and example sentences.
- Implemented a dual-mode system, enabling users to switch between Study mode and Quiz mode for a comprehensive learning experience.
- GitHub Repository: <https://github.com/Sunnycucu/LangXpert>

### Touristy Web App: Client-side Development

Software Developer

Jan 2021 – March 2021

- Developed a web app which enables a user to search any top destination and view information about that place and make a list of favourite places(requires sign-in).
- Utilized modern development concepts such as ES6 and React-router, ensuring a seamless user experience.
- Leveraged Google Firebase for hosting, data storage, and user authentication, optimizing application performance.
- Hosted the application at <https://touristy-2be13.web.app> and managed the project's GitHub repository <https://github.com/info340-wi21/project-2-ginsueddy>

## WORK EXPERIENCE

### Peppermint Robots- Software Engineer

Pune, India

Nov 2022- March 2023

- Working on Peppermint Front-End Stacks, building simple, beautiful and functional user interfaces that enable positive user experiences and measurable business growth.
- Developing new features in support of rapidly emerging business and project requirements.
- Brainstorming and building intuitive frontend applications, maintaining high code quality standards and thoughtful User Interface design.
- Working with Agile Development methodologies and pursuing continued learning opportunities.
- Working primarily in Flutter(Mobile, Web and Desktop) and FAST API.

### University of Washington iSchool

Sep 2021 – Dec 2021

#### Undergraduate Teaching Assistant: INFO 448 (Mobile Development- Android)

Seattle, WA

- Teaching 45 undergraduate students Kotlin and XML to work on a project to create interactive, user-focused systems and to improve Android Development skills.
- Educating concepts of Mobile Development like implementation of mobile apps, including build tools, programming languages and libraries, user interfaces, application architecture, and industry practices.
- Instructing students to focus on harnessing communication systems and sensors specific to mobile platforms.

### Lightbeam.ai Inc.- Software Engineering Intern

San Jose, CA

June 2021- Sep 2021

- Working on a web application with multiple workflows and analytical dashboards using Typescript, HTML and CSS.
- Focusing on domain knowledge around data privacy and compliance like GDPR, CCPA etc.
- Enhancing web functionality using latest web development tools and technologies including React, Redux and GraphQL.

### University of Washington iSchool

Jan 2021 – June 2021

#### Undergraduate Teaching Assistant: INFO 201 (Technical Foundations)

Seattle, WA

- Teaching 26 undergraduate students R, ggplot2, Shiny, HTML, CSS to work on a project with interactive Data Visualisation and to improve Web Development skills.
- Educating concepts of Software Development like APIs, Git, Data Libraries to clean, wrangle & analyse visual datasets.

### University of Washington iSchool

Aug 2020 – Dec 2020

#### Undergraduate Research Assistant: InfoSeeking Lab

Seattle, WA

- Contributed to the "InfoFostering Project", focusing on creating a flexible expert recommender system.
- Conducted quantitative and qualitative research in Human Information Behavior, Information Retrieval, and HCI.
- Utilized SQL, Python, and TensorFlow to analyze and cleanse data from three datasets containing over 300,000 questions and answers provided by experts and users.

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## LEADERSHIP AND ACTIVITIES

Unite UW Students Association- UUSA (Cultural RSO)- Director of Events

May 2019 – June 2022