ASHLEY VO

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EDUCATION

University of California, San Diego – La Jolla, CA

Bachelor of Science, Computer Science (GPA: 3.673)   *Expected Jun 2026*
- Current Coursework: Intro to Mathematical Statistics I, Algorithms and Systems for Biomolecular Big Data, Online Database Analytics Applications, Data Science in Practice
- Relevant Coursework: Intro to Probability I, Advanced Data Structures, Design and Analysis of Algorithms, Software Engineering, Computational Stochastics, Operating Systems, Database System Principles, Web Client Languages, Intro to Computer Security

Orange Coast College – Costa Mesa, CA

Associate of Science, Computer Science (GPA: 3.86)   *May 2024*

EXPERIENCE

United States Department of Agriculture – Remote

Virtual Student Federal Service (VSFS) Intern   *Sept 2023 – May 2024*
- Developed and designed a web prototype for the United States Forest Service's water quality database using ArcGIS's JavaScript API to visualize site monitoring locations and their respective data, aiming to make the data more accessible for both internal and public use.
- Worked closely with mentors to interpret and define use cases in the absence of direct user feedback; later collaborated with USFS's Air Program stakeholders to incorporate and refine features and usability based on feedback, improving its utility.

University of California, Irvine – Irvine, CA

ProperData Workshop 3 Participant   *Jun 2023*
- Analyzed network traffic gathered from Amazon Alexa devices, finding over 70% of packets collected contained trackers and prompted conversation about internet of things (IoT) device security within the workshop.
- Conducted experiments with TikTok's personalization algorithm and data collection between the mobile and web apps; compared differences of data collected and algorithm effectiveness between mobile devices and desktop.
- Delivered a research poster summarizing our findings; awarded 2nd place for "Best Poster" at the workshop's symposium for presentation clarity and impact.

PROJECTS

Let Me Cook – HTML, CSS, JavaScript – [Project link](#)
- Led a team of 11 in a quarter-long Software Engineering course project to build a recipe web app, integrating Agile practices and emphasizing user-focus in our app design.
- Coordinated meetings and communication while balancing technical responsibilities and team dynamics.

Pokemon Cards Monte Carlo Analysis – R – [Project link](#)
- Developed an R-based Monte Carlo simulation to model randomized distribution systems, analyzing expected outcomes, identifying bottlenecks, and visualizing distributions with ggplot2.

SKILLS

- **Programming Languages**: Proficient - C++; Working knowledge - Java, Python (NumPy, Matplotlib), R, HTML, CSS, JavaScript, SQL
- **Software & Tools**: Microsoft Suite (Word, Excel, PowerPoint), Jupyter Notebook, Git, GitHub