KEVIN KODAMA

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Seattle, WA

EDUCATION

University of Washington, Seattle, WA   September 2019 – June 2023

B.A. Mathematics   GPA – 3.76

Relevant Coursework

<u>Full-Stack Web Development</u>: Outlined fully featured web apps using JavaScript, Node.js, and SQLite   January 2022

<u>Machine Learning</u>: Evaluated and optimized machine learning algorithms in Octave, a MATLAB-like language   August 2021

<u>Database Systems</u>: Learned relational database principles and scaling in SQLite, Microsoft Azure, and Apache Spark   March 2021

WORK EXPERIENCE

Dell Technologies, Seattle   June 2022 – August 2022

PowerProtect Data Manager – Software Engineering Intern

· Co-developed two performance testing frameworks for the backup software PowerProtect Data Manager

· Automated seven sample JMeter tests and integrated them into a Jenkins CI/CD pipeline

International Academic Competitions, Remote   January 2020 – May 2022

National History Bee and Bowl – Question Writer

· Wrote over 200 paragraph-length technical questions for NHBB, a national high school history competition

· Sifted through thousands of questions on the database QuizDB to identify historical question patterns

SIDE PROJECTS

[Popheads Chart](#) (MERN Stack / Tailwind CSS / react-select / Chart.js)   July 2022 – July 2023

· Launched a web application that uses Reddit's API to parse listening data from 2566 pop music fans

· Deployed 10 middleware API endpoints to handle secure traffic through the Node server

· Displayed listener data with nearly 300 reactive chart views, including a reactive line chart

Quizbowl Buzzer System (Arduino)   July 2021 – September 2021

· Programmed an 8-player "buzzer system" for quizbowl, a fast-paced academic competition

· Implemented merge sort in a C-like programming language called Arduino

· Processed real-time input from 9 physical controllers using a microcontroller and 9 interrupt handlers

[Data Exploration of *The Wandering Inn*](#) (R / Shiny / dplyr / Plotly / rvest)   March 2021 – May 2021

· Analyzed features of *The Wandering Inn*, a 50,000-page fantasy novel on the Internet

· Created an interactive frontend that allows users to display 57 custom chart views

· Scraped text data from 94 different web pages, processing over 2,000,000 words

LEADERSHIP

[UW Quizbowl](#), Seattle, WA   December 2020 – Present

Club President, Outreach Director, and Webmaster

· Tripled the membership of UW Quizbowl, now the largest student-run quiz team in Washington

· Recruited 30 high schools for the largest ever quizbowl tournament in the Pacific Northwest

· Mentored 40 students in leadership, technical writing, and effective recruitment strategies

SKILLS AND INTERESTS

· **Skills**: web development, backend, database management, technical writing, CI/CD, web scraping

· **Languages**: JavaScript (Express.js, React.js, Node.js), CSS, HTML, Java, MongoDB, SQL, Jenkins, R

· **Interests**: the loneliness epidemic, dance battles, education reform, chess, pickleball