KEVIN KODAMA

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Seattle, WA

# EDUCATION

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

B.A. Mathematics GPA – 3.76

## Relevant Coursework

Full-Stack Web Development: Outlined fully featured web apps using JavaScript, Node.js, and SQLite **January 2022** Machine Learning: Evaluated and optimized machine learning algorithms in Octave, a MATLAB-like language **August 2021** Database Systems: 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](https://popheads-chart-cs0o.onrender.com/) (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***](https://stackofstarfruit.shinyapps.io/Wandering_Inn_7/)(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**](https://students.washington.edu/quizbowl/index.html)**,** 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