ARNAV THAREJA

858.252.9415 | athareja@uw.edu

arnavthareja.github.io | linkedin.com/in/arnavthareja | github.com/arnavthareja

EXPERIENCE

Mathnasium   May 2019 – June 2020
Instructor   *Renton, WA*

· Taught students grades K-12 topics in math up to calculus
· Helped develop an intuitive understanding of math concepts in students

FIRST Tech Challenge Team 8693: The Scarabs   August 2016 – June 2020
Project Manager   *Renton, WA*

· Led and mentored a team of over 20 members to successful completion of a competition robot
· Guided technical creation of robots and accompanying software
· Implemented a TensorFlow-based object detection model to be integrated with robot pathfinding algorithms
· Planned public events to introduce elementary and middle schoolers in Renton to STEM
· Increased team efficiency and optimized the development process

The Museum of Flight   September 2016 – December 2018
Junior Docent   *Seattle, WA*

· Gave presentations on aviation history to Museum of Flight visitors as the Museum's first Junior Docent
· Made interactive exhibits designed to teach young kids about topics in aviation

Boy Scouts of America   June 2015 – June 2020
Eagle Scout & Assistant Senior Patrol Leader   *Newcastle, WA*

· Led the planning and successful execution of a large-scale kitchen remodel project at Renton Lions Youth Camp
· Planned and led troop meetings and volunteered in various community projects

EDUCATION

University of Washington | *Seattle, WA*   Expected Graduation: June 2024
Bachelor of Science, Computer Science

GPA: N/A (first-quarter freshman)
Selected Coursework: Computer Programming I, Calculus I and II
Projected Coursework: Computer Programming II, Foundations of Computing I and II, Data Structures and Parallelism, Calculus III, Matrix Algebra with Applications

Hazen Senior High School | *Renton, WA*   August 2016 – June 2020

GPA: 4.0 **Rank:** 1/383 **SAT:** 1570 **SAT Math II:** 800 **SAT Physics:** 800 **AMC 12:** 85.5
Activities: Robotics Club (Project Manager), National Honor Society, Table Tennis Club (Co-Founder, Vice President)
Awards: National Merit Finalist, National AP Scholar, FTC Dean's List Semifinalist, Oliver M. Hazen Award

PROJECTS

Popular Music Analysis | *Personal Project – In Progress*   github.com/arnavthareja/music-analysis

· Analyzed features in popular music using Python and searched for patterns
· Used the Spotify API to get data about popular music and features from Spotify

Yearbook 2020 | *Personal Project*   *yearbook-hhs.web.app*

· Designed and developed a web application for students and graduates to sign yearbooks virtually
· Created using HTML, CSS, JavaScript, and Google Firebase for user authentication, cloud storage, and NoSQL database

Table Tennis Sign-In | *Personal Project*

· Created a Java application to enable a quick and paperless sign-in process for Hazen High School's Table Tennis Club
· Utilized the Google Sheets API to upload sign-in records to the club's Google Sheet for membership tracking and analytics
· Used Swing to create a Graphical User Interface for a smooth user experience

SKILLS

Languages	Java, Python, JavaScript, HTML, CSS, SCSS
Tools	Jupyter Notebook, Eclipse, Visual Studio Code, Git, GitHub, Microsoft Office
Other Skills	Communication, Leadership, Project Management