

Arnav Thareja

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EDUCATION

UNIVERSITY OF WASHINGTON

B.S. IN COMPUTER SCIENCE

Expected Graduation: June 2024 |
Seattle, WA

GPA: N/A (first-quarter freshman)

HAZEN HIGH SCHOOL

HIGH SCHOOL DIPLOMA

June 2020 | Renton, WA

GPA: 4.0

Rank: 1/383

SAT: 1570

LINKS

Personal Website: arnavthareja.github.io

Github: github.com/arnavthareja

LinkedIn: linkedin.com/in/arnavthareja

COURSEWORK

COMPLETED

Computer Programming I
Calculus I and II

PROJECTED

Computer Programming II
Foundations of Computing I and II
Data Structures and Parallelism
Calculus III
Matrix Algebra with Applications

SKILLS

Communication • Leadership • Project
Management

LANGUAGES

Java • Python • JavaScript • HTML
CSS • SCSS • LaTeX

TOOLS

Jupyter Notebook • Visual Studio Code
Git • GitHub • Eclipse • Microsoft Office

AWARDS

National Merit Finalist
National AP Scholar
National Honor Society
FIRST Tech Challenge Dean's List
Semifinalist

EXPERIENCE

MATHNASIUM | INSTRUCTOR

May 2019 – June 2020 | Renton, WA

- Taught students grades K-12 topics in math ranging from basic addition and subtraction to calculus
- Helped develop an intuitive understanding of math concepts in students

FIRST TECH CHALLENGE TEAM 8693: THE SCARABS | PROJECT MANAGER

August 2016 – June 2020 | Renton, WA

- Led over 20 team members to successful completion of a FIRST Tech Challenge (FTC) competition robot
- Guided and supported 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 to STEM
- Increased team efficiency and reduced wasted time in the development process

THE MUSEUM OF FLIGHT | JUNIOR DOCENT

September 2016 – December 2018 | Seattle, WA

- Gave presentations about 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 | EAGLE SCOUT & ASSISTANT SENIOR PATROL LEADER

June 2015 – June 2020 | Newcastle, WA

- Planned and executed a large-scale kitchen remodel project for Renton Lions Youth Camp
- Planned and led troop meetings and volunteered in various community projects

PROJECTS

POPULAR MUSIC ANALYSIS | PERSONAL PROJECT

February 2020 – August 2020

- 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
- Implemented a Machine Learning model using Scikit-Learn to predict a song's popularity given its features

YEARBOOK 2020 | PERSONAL PROJECT

June 2020 – July 2020

- 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

August 2019

- Created a Java application to enable a quick and paperless sign-in process for Hazen High School's Table Tennis Club
- Used Swing to create a Graphical User Interface for a smooth user experience