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:// **arnavthareja**
LinkedIn:// **arnavthareja**

COURSEWORK

COMPLETED
Programming I
Calculus I and II

PROJECTED
Programming II
Foundations of Computing I and II
Data Structures and Parallelism
Calculus III
Linear Algebra

SKILLS

LANGUAGES
Java • Python • HTML • CSS • SCSS
Javascript • LaTeX

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

AWARDS

National Merit Finalist
National AP Scholar
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 in Renton to STEM
- Increased team efficiency and reduced wasted time in the development process

THE MUSEUM OF FLIGHT | Software Engineering Intern
September 2016 – September 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
Jan 2013 – May 2013 | Renton, WA
- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

PROJECTS

POPULAR MUSIC ANALYSIS | Personal Project
February 2020 – August 2020
- Analyzed features in popular music using Python and searched for patterns in the features
- Used the Spotify API to get data about popular music and music 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

PERSONAL WEBSITE | Personal Project
July 2020 – August 2020