

# Arnav Thareja

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## EDUCATION

### UNIVERSITY OF WASHINGTON

Seattle, WA

#### B.S. IN COMPUTER SCIENCE

Expected Graduation: June 2024

GPA: N/A (first-quarter freshman)

### HAZEN HIGH SCHOOL

Renton, WA

#### HIGH SCHOOL DIPLOMA

June 2020

GPA: 4.0

Rank: 1/383

SAT: 1570

## LINKS

Personal Website: [arnavthareja.github.io](https://arnavthareja.github.io)

GitHub: [github.com/arnavthareja](https://github.com/arnavthareja)

LinkedIn: [linkedin.com/in/arnavthareja](https://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

### LANGUAGES

Java • Python • JavaScript • HTML

CSS • SCSS

### TOOLS

Jupyter Notebook • Visual Studio Code

Git • GitHub • Eclipse • Microsoft Office

### OTHER SKILLS

Communication • Leadership • Project Management

## AWARDS

National Merit Finalist

National AP Scholar

National Honor Society

FIRST Tech Challenge Dean's List

Semifinalist

Oliver M. Hazen Award

## EXPERIENCE

### MATHNASIUM | INSTRUCTOR

May 2019 – June 2020 | 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 | PROJECT MANAGER

August 2016 – June 2020 | 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 to STEM
- Increased team efficiency and optimized the development process

### THE MUSEUM OF FLIGHT | JUNIOR DOCENT

September 2016 – December 2018 | 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 | EAGLE SCOUT & ASSISTANT SENIOR PATROL LEADER

June 2015 – June 2020 | 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

## 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

- Designed and developed a web app for students 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
- 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