

Maanas Peri

Contact Info: maanasperi@gmail.com

For a complete Portfolio of my projects please see my github page

<https://maanasperi23.github.io>

Education: East Lake High School - Sammamish, WA

Research:

- Implemented K-Means Clustering Machine Learning Algorithm From Tensorflow to Detect Harmful Weaponry Such as Guns, Knives, etc.
- Developed a Distracted Driving Detection Program Using OpenCV and Python
- Developed a Facial Recognition Program Using OpenCV
- Developed an Object Detection Program Using OpenCV

Activities:

- Founder & President of the National CS Honor Society (2018-2019)
- Founder & President of Competitive Coding Club (2017 - 2018)
- Founder & President of the Girls Can Code club (2016-2017)
- Leading School Delegate for the National Gun Violence Prevention Convention (GVP Conv.) (1 yr)
- Active Math Honors Society Club member (3 yrs)
- Active DECA Club Member (3 yrs)
- Active Robotics Club Member - 2016 - 2017 (1yr)

Awards & Honors

- Represented Washington State at the International Career Development Conference (ICDC) in Atlanta - April 2017.
- Represented Eastlake High School at DECA Washington State - January 2017
- Represented Eastlake High School at DECA Washington State - January 2016
- Advanced onto the Washington State Science Fair from the Central Regional Science Fair - 2017 (SemiFinalist)
- Placed in the Top 20% in the Khan Academy BreakThrough Jr Challenge 2017
- Placed in State for FIRST Robotics - 2016 & 2017.

Interests:

- Sketching/Drawing
- Lego-Building
- Biking Enthusiast (completed 220 mile 1-Day marathon)
- Tabla (Traditional Indian Drums) Player
- A full-time Seahawks Fan

Experience:

Gozo Cabs Internship (June 2018 - Current)

- Just like Uber, Gozo Cabs is an International taxi driving company that was interested in my idea of Distracted Driving Prevention App and suggested that I work on a design prototype. Throughout the summer, I programmed and tested my application until it finally became successful. I am now working to convert this program into an Android App.

Summer Program at Harvard University (June 2017 - July 2017)

- I took AP Calculus I & II during this seven-week program to challenge myself to the rigor of an organized and well-structured college class.

Summer Institute for Gifted Students at Yale University (June 2016)

- Actively participated and enjoyed taking 4 summer courses (astronomy, pre-calculus, english & speech & debate)

Coder DOJO Seattle chapter (2010 - 2015)

Coder Dojo is a global network of free, volunteer-led, community-based programming clubs for young people from age seven to seventeen. Classes are held every Saturday in downtown Seattle At Amazon HQ.

- Attended Coder Dojo most of my middle school every week throughout the year.
- Learned the basics of Computer Science on Scratch Pad
- Learned Python and basic concepts of Java programming
- Participated in yearly Hackathons

AP Courses @ High School:

- **2016 - 2017**
AP Computer Science Principles , AP Chemistry, UW Pre-Calculus
- **2017 - 2018**
AP Computer Science Java, AP Physics 1, AP Language & Composition, AP Calculus AB
- **2018 - 2019**
AP Calculus BC, AP Statistics, UW Language and Composition.

Skills:

- **Programming Languages:** Java , Python, basic C#, Unsupervised Machine Learning Algorithms, Open CV, basic Unix.

Certifications Completed.

Completed the following Certifications from CS50Edx Online Courses.

- AP Computer Science A: Java Programming - Oct 16 2016 PurdueX - CS180.1x
- AP Computer Science A: Java Programming Loops and Data Structures - Dec 4 2016.
PurdueX - CS180.2x
- AP Computer Science A: Java Programming Classes and Objects - Feb 2017 PurdueX