Zachary Nguyen

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Education

**Drexel University – Computer Science – 4.0** Philadelphia, Pennsylvania

September 2019 – Present

**Thomas Jefferson School for Science and Technology – 4.23** Alexandria, Virginia

September 2015 – Jun 2019

Work Experience

# Intervizum

*Developer/Programmer* September 2018 | September 2019

* Used Power Bi to visualize complex sets of data into various forms of display.

# Drexel University Emergency Services

*Member* October 2019 | Present

* Worked as a member of the Drexel EMS and provided emergency medical services to the Drexel community as well as the surrounding Philadelphia region.

Relevant Classes and Skills

**Classes**

Artificial Intelligence 1 & 2, Mobile App Development, Web Development, Computer Vision 1 & 2 Parallel Computing 1 & 2, Autonomous Robotic Systems 1 & 2 Mobile/Web Development Research Lab, Machine Learning

**Programming Languages**

Java, Python3, HTML, CSS, JavaScript, C++, C#, Bash, MySQL, Dart

**Software**

Fusion 360, Eagle, LATEX, AutoCAD, Arduino, Blender, Flutter, PowerBi

**Hardware**

Laser Cutting, 3D- Printing

**Programming Skills**

Android, Node.js, Express, Bootstrap, OpenCV, Tensorflow, OpenMPI, Flutter

Projects

**Noteshare -** *HTML, CSS, Javascript, Bootstrap, Node JS, MySQL*

https://2019znguyen\_seniorproject.sites.tjhsst.edu/

Noteshare is a website that would allow students to upload and share notes remotely with others. The project was built on top of TJ's Director web hosting service and is being migrated to Heroku.

**VirtualTours -** *Android, IOS, Flutter, DART*

A mobile application built in flutter that allows users to generate tours. Provides real time tracking and

both audio and visual information along tour routes.

**Ray Tracing Simulation–** *C++, OpenMPI*

A ray tracing program built in C++ that seeks to simulate and optimize ray tracing processes using

OpenMPI.

Awards

**Bronze Medalist - Russian Essay Contest** ACTR Earned honorable mention in 2015, and was a bronze medalist in 2016 and 2017 2015-2017

**Gold Medalist - USA Computing Olympiad** USA Computing Olympiad Achieved the gold ranking for the United States Computing Olympiad 2018

**Drexel Presidential Scholarship** Drexel Awarded Drexel Presidential Scholarship 2019