

ANDREW TRUNG VO

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🌐 <https://atv32.github.io/>

EDUCATION

Drexel University | Philadelphia, PA
Bachelor of Science in Computer Engineering

Anticipated Graduation: June 2020
Minor: Data Science

APTITUDES

Coding Languages: Python, C, MATLAB, Node.js, Java, HTML, CSS, Javascript, SQL, VHDL, R, Bash

Software Skills: Linux, Unix, Vim, Git, Visual Studio, PyCharm, Eclipse, ModelSim, PSoC, Arduino, LabView, Autodesk, CREO 3.0, Microsoft 365, Oracle, Spotfire, Tableau, Amazon Web Services, Azure

Miscellaneous: Object-Oriented Programming, Agile Development, Project Management, Debugging, Scripting, Automation Tools, Algorithms

Foreign Language: Vietnamese (Proficient)

EXPERIENCE

GlaxoSmithKline contracted by Atrium | Collegeville | Collegeville, PA
R&D IT Innovation Analyst Co-op

April 2017 – September 2017

- ◆ Developed artificially intelligent chat bot services with Node.js using Azure's bot framework platform
- ◆ Built and maintained SQL database, scripts, indexes and complex queries for data analysis
- ◆ Evaluated metadata with Spotfire/Tableau to create visualizations and data analysis using R scripting
- ◆ Designed and developed front-end for team website in GSK's SharePoint intranet
- ◆ Championed innovative technologies to bring into R&D IT with proof of concept sprints
- ◆ Presented bi-weekly demonstrations of progress and work for team

Advanced Programming Project | Drexel University | Philadelphia, PA
Developer

November 2016 – December 2016

- ◆ Manipulated sprites with object oriented design, definitions and class constructors
- ◆ Implemented 2D physics engine using rectangular collision detection and response in Tkinter
- ◆ Serialized and persisted user data with Pickle and local file I/O

Design Project ElectroTrain | Drexel University | Philadelphia, PA
Project Leader

April 2016 – June 2016

- ◆ Led a team of five engineers through the engineering process to develop an electromagnetic toy train set
- ◆ Designed and constructed a functioning prototype with 3D printed components with a custom train pod
- ◆ Maintained project website with status reports and met project goals and deadlines
- ◆ Performed a series of tests to record data within Excel and compiled information in a research document

DragonsTeach | Drexel University | Philadelphia, PA
DragonsTeach Student Teacher

Jan 2016 – March 2016

- ◆ Taught 5th grade science to a classroom of 33 students at Masterman Laboratory and Demonstration School
- ◆ Designed and implemented engaging lesson plans with group activities to promote teamwork and participation

WindiGo Turbines LLC | Philadelphia, PA
Electrical Engineer Intern

September 2015 – March 2016

- ◆ Developed mathematic simulation model with MATLAB for theoretical turbine efficiency based on airfoil geometry for hybrid turbine design
- ◆ Researched and tested wind turbine models with wind tunnel testing to acquire data on various generators
- ◆ Designed wind turbine schematic diagram with electronic circuitry for alpha prototype
- ◆ Modeled custom Darrius wind turbines with point cloud 3D modeling in CREO 3.0

ACTIVITIES

Cyber Security Club, October 2016 – Present
Drexel Toastmasters, October 2016 – Present
IEEE, 2015 – Present

Theme Park Engineering and Design, 2015 – Present
University Men's Club Tennis, 2015 – Present
GSK Student Ambassador April – September 2017