

Ryan Martinez

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Personal Website: <https://ryanmartinez24.github.io/index.html>

EDUCATION

University of Pennsylvania, School of Engineering & Applied Sciences

May 2025 Expected Graduation

Bachelor of Science in Engineering in Computer Science

WORK & LEADERSHIP EXPERIENCE

Anderson University Center For Security Studies and Cyber Defense Anderson, IN

Information Security Consultant Intern

May 2023 – Aug 2023

- Guided Small to Medium sized local businesses on compliance requirements and industry standards regarding Infosec
- Assessed businesses current security posture and made recommendations for improvements

University of Pennsylvania Philadelphia, PA Undergraduate Research Assistant for Dr. Wang

May 2020 – August 2020

- Worked on SparkINFERNO an Apache Spark based pipeline that helps identify genes related to neurological diseases including Alzheimer's Disease.
- Created python module that allowed for integration of external C program into the pipeline
- Documented code for future use

Jobcase Inc. Cambridge, MA Data Engineering & Strategy Intern, Machine Learning Team

June 2019 – August 2019

- Helped design, build, and deploy machine learning platform for the company using tools such as TensorFlow, AWS, and Databricks
- Built neural network models using TensorFlow and analyzed business data to uncover insights.
- Co-led the setting up, structuring and documenting of company data lake for storage of business data

School District of Philadelphia Philadelphia, PA Curriculum Manager & Coding Club Instructor

Sept 2018 – January 2021

- Oversaw communications between schools and coding club instructors
- Mentored and taught elementary & middle school students culminating in an end of semester project

PROJECTS

Karma – App for CIS 350 – Software Engineering

- Distributed-system food ordering app that allows vendors to simply upload a menu and customers to order ahead of time. Ideal for small local vendors such as food trucks
- Web-side (vendor side) implemented using JavaScript and Node Express, App-side (client side) implemented in Android (Java). MongoDB was used for database purposes.

Cookbook – App for CS 222– Advanced Programming

- Flutter based app that implements a basic cookbook that allows users to view recipes, change the portion being cooked, add their own recipes, and delete recipes.

TECHNICAL SKILLS

Technical Skills: Java, Python, TensorFlow, Apache Spark, Dart, Flutter, HTML, CSS