

Irwin Deng

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| Portfolio: irwin-deng.com

Education

University of Pennsylvania, School of Engineering and Applied Science
Philadelphia, PA

August 2020 – Present

- **Major:** Computer Science (B.S.E.), Concentration: Data Science
 - **Minors:** Statistics, Mathematics
 - **Relevant Coursework:** Machine Learning, Databases, Data Structures and Algorithms, Programming Languages and Techniques, Bayesian Data Analysis, Statistical Inference, Linear Algebra
- **GPA:** 3.68 / 4
- **Extracurriculars:** Wharton Undergrad Data Analytics Club, Quiz Bowl, Club Ultimate Frisbee

Avon Lake High School — *Avon Lake, OH*

August 2016 – June 2020

GPA: 4.97 / 5 (Weighted) | Rank: 1 / 350 | SAT: 1590 / 1600 | ACT: 36 / 36

Experience

Machine Learning Research Volunteer

May 2019 – September 2019

Case Western Reserve University — Cleveland, OH

- Designed and implemented a machine learning framework for an expedited MRI imaging process
- Achieved results comparable to traditional MRI scans in a fraction of the time
- Worked closely with the radiology department to integrate models into existing hardware

Data Analytics Intern

July 2021 – September 2021

Eastern Union Funding — Howell, NJ

- Built a model to predict future deals based on historical refinancing data
- Helped develop an efficient lead generation algorithm

STAT 431 (Statistical Inference) Grader

January 2022 – Present

University of Pennsylvania — Philadelphia, PA

- Developed consistent and fair rubrics for grading student work
- Provided feedback to students

Skills

- **Programming Languages:** Java, Python, R, JavaScript, HTML, CSS, SQL, C, OCaml
- **Frameworks:** AWS, React, Node.js, JUnit, Git

Awards + Honors

Computer Programming

- USA Computing Olympiad Gold Division qualifier
- 7th place team in the Association for Computing Machinery Programming Contest

December 2019

April 2018

Mathematics

- 6th place in the Ohio Mathematics Invitational Olympiad
- American Invitational Mathematics Examination qualifier
- Captain of team that placed 1st in division in Math Madness Nationals
- Selected to compete on a team of 15 representing Ohio in the American Regions Mathematics League competition

March 2019

2018 – 2020

December 2018

2017 – 2019