

Noah Z. Rubin

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EDUCATION

The Pennsylvania State University, Schreyer Honors College

Bachelor of Science in Computer Science, College of Engineering

Minor in Mathematics

Honors Thesis: Experiments with Automated Content Analysis of Student Writing in Two Domains

December 2020

GPA: 3.93/4.00

WORK EXPERIENCE

The Natural Language Processing Lab at Penn State University

Undergraduate Researcher

January 2019 – Present

University Park, PA

- Developed and ran tests to improve PyrEval, an algorithm created by our lab that automates the grading of student-written summaries, including an in-depth comparison of WTMF, our preprocessor, with the industry standard, GloVe

Google

Software Engineering Intern

May 2020 – August 2020

Mountain View, CA (Remote)

- Designed and implemented features for the AdWords Conversions dashboard to help advertisers understand their data and perform relevant actions
- Contributed features to a high-priority team-wide effort launching soon

Google

Software Engineering Intern

May 2019 – August 2019

Sunnyvale, CA

- Worked on an internal performance monitoring tool for Google's mobile developers that collects and processes billions of data points daily from Google's first-party iOS and Android apps
- Designed and implemented a feature that allows users to associate Buganizer (Google's issue tracking system) issues with error messages from apps
- Helped foo.bar, the secret hiring and outreach program through which I got my internship, implement a relaunch email campaign

Penn State Computer Science Department

Learning Assistant, Introduction to Programming, Data Structures

August 2018 – May 2019

University Park, PA

Marlette Funding / Best Egg

Technology Intern

May 2018 – August 2018

Wilmington, DE

LEADERSHIP & ACTIVITIES

Schreyer Honors College Recruitment

Scholar Ambassador

September 2017 – Present

University Park, PA

- Participated in Q&A panels and gave tours to prospective and accepted students
- Hosted prospective students for an overnight program

CodeLM Programming Competition

Founder

January 2015 – Present

Ardmore, PA

- Created a programming competition for high school Computer Science students
- Led a team to develop balanced problem sets and plan event logistics
- Built a custom dashboard to run the event and automatically grade code submissions
- Collaborated with a corporate sponsor to receive funding and expertise
- Hosted our 2020 event online for 200+ competitors from across the nation in light of COVID-19

Hackathons & Programming Competitions

2014 – Present

- Competed in and placed in various programming competition and hackathons including ICPC, PennApps, HackPSU, and CodePSU.

Educational Programming YouTube Channel

Video Creator

January 2013 – Present

- Created over 400 videos teaching a variety of programming languages and frameworks
- Built an audience of over 16,000 subscribers and over 2.5 million views

SKILLS

Programming Languages: Python, TypeScript, Dart, Swift, JavaScript, Java, Kotlin, HTML, (S)CSS

Frameworks: Flutter, SwiftUI, Angular, Express, Django, Flask

Other: Linux server management, Git, MongoDB, SQL, Docker

Languages: Spanish (Proficient)