

Benjamin Pilosov

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EDUCATION

Stony Brook University

BS, Computer Science

Stony Brook, NY

Expected Graduation: May 2023

Bronx High School of Science

Advanced Regents Diploma with Honors

Bronx, NY

May 2020

EXPERIENCE

Stony Brook University

Undergraduate Teaching Assistant

Stony Brook, NY

Jan 2022 - Present

- TA for CSE 215: Foundations of Computer Science. Presented during weekly recitations by preparing slides and exercises so that students can learn canonical problems and helpful problem solving techniques.
- Helped teach the class by holding office hours to explain complex course material as a peer who previously took the class.

Stony Brook University

Undergraduate Research Assistant

Stony Brook, NY

Feb 2021 - Present

- As head of the data sources/data quality sub-team, organized weekly meetings and prepared a report detailing our goals, progress, and blockers.
- Collected, preprocessed, and analyzed 50 state shapefiles and GeoJSONs using QGIS and GeoPandas to expand the PostgreSQL database with 2020 election data which doubled our data set.

Stony Brook University

Lead IT Technician

Stony Brook, NY

Feb 2021 - Present

- As a lead technician trained new hires on customer service and diagnostics and oversaw 5-7 person shift to ensure tickets were being addressed.
- Worked as a team to address tickets in queue promptly by dividing work up, resulting in the smallest queue in department. Refined interpersonal skills during communication with coworkers and users to provide polite and prompt resolutions.

PROJECTS

Printer Dashboard

May 2021

- Frontend is a Single Page App utilizing Vue.js in TypeScript, backend is written in C# and running on .NET Core 5 and uses SNMP to determine printer OID values.
- Communicated with other departments to support their printers on the app and generifed the printer type to easily allow for new models to be added.

Java Programs

Fall 2020

- LIFO Stack: Parse a Python file and determine the big-O time complexity by analyzing for/while loops and index variables.
- Graph: Implement a virtual file system that performs *nix commands (ls, cd, mkdir, touch, etc).

SKILLS & ACCOMPLISHMENTS

- Languages: Python(Pandas), Java, Assembly(MIPS), C/C++, HTML/CSS, Javascript(Vue)
- Honors: Dean's List (2020-21), National Merit Scholarship Finalist (2020), National AP Scholar (2020)
- Treasurer of Stony Brook Quizbowl; Team placed 1st at Columbia Spring 2020 Tournament