

David Saldubehere

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EDUCATION

The Pennsylvania State University | Schreyer Honors College

University Park, PA | 4.0 GPA

College of Engineering | B.S. in Computer Science

Class of 2026

Eberly College of Science | B.S. in Mathematics

Dean's List (2/2)

EXPERIENCE

Pennsylvania State University Language & Aging Lab

University Park, PA

Statistical Analysis Intern

August 2023-Present

- Will be parsing and analyzing MRI data using R to present conclusions for various studies
- Will be heavily utilizing network science to gain an understanding of the brain's functional connectivity

Sheetz

Sheetz Headquarters, PA

Applications and Development Intern

May 2023-Present

- Worked on a project to capture data regarding competitor pricing of various products
- Software is now in production and is being used by 900+ corporate and store employees
- Gained valuable experience with the Agile development process and technologies such as OpenShift, Docker, Kubernetes, Java, Spring Boot/MVC, Hibernate, and various front-end technologies

Pennsylvania State University Office of Research Information Systems

University Park, PA

Software Engineering Intern

May 2023-Present

- Worked on a project to improve the efficiency and flexibility of software used to manage all Penn State research labs
- Gained valuable experience with C#, SQL Server, Azure CI/CD, ASP .NET Webforms/MVC, and Visual Studio
- Visited labs to learn more about the equipment and the software used to manage their work

Pennsylvania State University Computer Science Department

University Park, PA

Grader for Data Structures and Algorithms course

January 2023-Present

- Graded exams and homework submissions for Penn State's University Park CMPSC 132 course sections
- Identified issues within data structures and algorithms code to provide constructive guidance to students

LEADERSHIP & INVOLVEMENT

Pennsylvania State University Website Development Club

April 2023-Present

Founder and President

- Created and presented lectures on modern website development including UI frameworks and database designs
- Facilitated club collaborations that allowed members to utilize their skills through paid development contracts
- Established connections with industry professionals and invited them to share their expertise with club members

Mifflin County High School Valedictorian

June 2022

CURRENT PROJECT

Auto-Typer

- Desktop application designed to assist in coding tutorials, classes, and my LA office hours. Prewritten scripts can be customized and automatically typed into a specified area to aid in instruction. Developed in Python, HTML5, CSS, JavaScript, and packaged with pyinstaller. A demo can be found here: https://youtu.be/68wRCEQ_VPk

HONORS, SKILLS & INTERESTS

Honors: National Honor Society President, President's Award for Educational Excellence, Margaret C Miller Scholarship

Languages: Proficient in Python, C#, Java, and JavaScript; Experience with Bash, PowerShell, Embedded C/C++, R

Technologies: Spring, OpenShift, Docker, Kubernetes, Git, React.js, React Native, Django, Flask, MySQL, SQL Server

Interests: Expert in 3D printing technologies, Microcontrollers (Raspberry Pi, Arduino), Learning Spanish, Graphic Design