

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 2025

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
- Learned about common security practices used to protect sensitive data: Active Directory, Git permissions, etc.

Pennsylvania State University Computer Science Department

University Park, PA

Grader for Data Structures and Algorithms course

January 2023-May 2023

- 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