# Sami Veliu

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## EDUCATION

**Michigan State University**                                    **Expected Graduation: April 2026**
*Bachelor's of Science* Computer Science | *Minor* in Business                    GPA: 3.83/4.0
**Relevant coursework:** Calculus III, C++ programming, Python Programming, Java Programming, Linear Algebra, Discrete Mathematics, Statistics and Probability, Data structures and Algorithms.

## TECHNICAL SKILLS

**Languages:** C++, Python, Java, HTML/CSS, Javascript, SQL, C# .Net Core(in progress)
**Developer Tools / Technologies**: ReactJS, Django, Git, VSCode, pgAdmin, AWS EC2, Microsoft Office Suite

## EXPERIENCE

**Spartan Food Security Council | President**                    **April 2024 - Present**
- Raised **$503,000** in the past fiscal year, whilst in accordance with Michigan government regulations, to provide funding for 4 university programs statewide to help feed students in Michigan.
- Partnered with Representative Jenn Hill to introduce bill #5097 (Hunger-free Campus bill) into the House of Representatives to raise further funding for all public universities in the upcoming year.

**Autozone | Retail Sales Associate**                    **April 2024 - August 2024**
- Ensured positive commercial account transactions daily and assisted completing local customer's vehicle needs.
- Developed strong communication and problem-solving skills while working in a fast-paced retail environment

**Toyota | Automotive Sales Porter**                    **April 2022 - August 2022**.
- Gained valuable insights into B2B operations and B2C strategies to increase net sales while managing 150+ cars.

## PROJECTS

ML Patient Risk Tool | **Python, SQL, ML/AI**
- Used Decision Tree Classifiers on medical data (from Kaggle) to generate risk analysis report based on 10+ scientific markers of developing diabetes (ie: Triglycerides Level, Age, and Number of Pregnancies).
- Increased accuracy rate by 12% (to **86%**) by switching from Linear Regression model to Random Forest model to account for the non-linear relationship between 'health markers' and diabetes diagnosis.

Expense Tracking System | **Django, Python, HTML/CSS, PostgreSQL**          (In development)
- Implemented Django to create RESTful routes for secure user authentication and project management, and connected front-end HTTP requests to the backend using Django.
- Admin-focused Expense Tracking system (ETS) to manage spending and budget reports for custom projects within an organization.

Driving Habits Analysis Tool | **SciKitLearn, Forscan, Python, SQL**          (In development)
- Real-time data collection of internal vehicular metrics (RPM, Brake Pressure, Acceleration Rate).
- Scikit-learn API to get live data feed from car and predict to derive analysis from sensor delta and Matplotlip to visualize data spikes/dips.