Will Schmidt

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EDUCATION

University of Notre Dame | Notre Dame, IN — Class of 2028 | GPA: 3.898
Bachelor of Science – College of Engineering
Major: Computer Science | Minor: Engineering Corporate Practice

EXPERIENCE

Sonablate Corp. | Indianapolis, IN — May – July 2025
Software Engineering Intern

- Migrated the protected health information (PHI) browser user interface from Java Swing to JavaFX, adding features like encryption, anonymization, and USB export of patient records, while aligning the interface with the main application's look and feel
- Accelerated the adoption of the updated PHI browser from version 6.9 to version 6.8.2
- Utilized ANT build automation to streamline software compilation, testing, and deployment
- Collaborated with the head of Information Technology to incorporate PACS (Picture Archiving and Communication System) server functions to the PHI browser's export feature

TECHNICAL SKILLS

- SolidWorks, Excel, Python, Java, SQL, OpenCV, Vim, C, Linux, JavaFX, C++, Git, PyTorch, PANDAS, AWS

RELATED COURSEWORK AND PROJECTS

Data Structures | University of Notre Dame — Fall 2025

- Implemented core data structures (arrays, linked lists, stacks, queues, trees, graphs) in C and Python; applied searching, sorting, and algorithmic strategies to problem-solving

Introduction to Embedded Systems | University of Notre Dame — Spring 2025

- Designed, programmed, and deployed Arduino-based embedded systems for data collection and system control

Technical Writing | University of Notre Dame — Fall 2025

- Applied structured writing processes, including planning, drafting, revising, and editing to produce professional quality documentation

OpenCV Picture Based Attendance Project | Park Tudor School, Indianapolis, Indiana

- Designed and implemented a computer vision tool with OpenCV that automated classroom attendance by identifying student faces, improving efficiency and accuracy

Graphics Based Blackjack Game in C | University of Notre Dame

- Built a Blackjack game in C using graphics libraries, integrating card rendering, user input, and game state management to demonstrate proficiency in low-level programming and interacting systems

News Sentiment Stock Price Predictor | University of Notre Dame

- Developed a stock price prediction model using PyTorch, integrating historical stock data from yfinance and news sentiment analysis via NewsAPI
- Applied FinBERT for NLP-based financial sentiment analysis to enhance the predictive model's features
- Processed and cleaned large financial and news related datasets using pandas

LEADERSHIP AND ACTIVITIES

Notre Dame Engineering Summer Abroad Program | Rome, Italy — July 2025 – Aug 2025
Student

- Completed coursework in Technical Writing and Ethical and Professional Issues including drafting an app proposal to improve bus arrival time prediction accuracy for the city of Rome
- Adapted to new academic and cultural environments, enhancing global perspective and cross-cultural communication

Diabetes Youth Foundation of Indiana | Noblesville, Indiana — Summers 2022-2024

- Led a team of six other junior counselors to clean and maintain the camp
- Assisted campers aged 7-15 in understanding, managing, and improving their personal care for their type 1 diabetes