

Demetrius Semanko

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EDUCATION

West Chester University

Bachelor of Science in Computer Science

West Chester, PA

August 2023 – May 2027 (Expected)

- Current GPA: 4.0
- Dean's List: Fall 2023, Spring 2024, Fall 2024
- Honors College

SCHOLARSHIPS & AWARDS

West Chester Programming Contest (WCPC), West Chester University

- 2nd among 16 contestants at the 10th WCPC October 2024
- 1st among 36 contestants at the 9th WCPC April 2024
- 1st among 39 contestants at the 8th WCPC March 2024
- 2nd among 36 contestants at the 7th WCPC November 2023

Dr. Charles A. Garber Scholarship, West Chester University

- Awarded for having high GPA as computer science major and needing financial assistance June 2024

Academic Excellence Scholarship, West Chester University

- Awarded for academic excellence in high school May 2023

Code Lower Merion (CodeLM), Susquehanna International Group

- 2nd among 11 schools at the 5th CodeLM March 2019

COURSE PROJECTS

CSC 240 (Computer Science III), Java

Fall 2024

- Implemented a singly linked list data structure for tracking simple parabolic motion, 180 lines
- Implemented evolutionary symbolic regression for finding line of best fit, 809 lines
- Processed the lynching data of *The Red Record* by Ida B. Wells, 831 lines

CSC 231 (Computer Systems), Java

Fall 2024

- Reverse engineered from C object file to C source code, 28 lines

CSC 142 (Computer Science II), Java

Spring 2024

- Home field advantage analyzer with a dataset of 28,689 basketball games from 2017–2018 season
- Hangman game
- Flesch reading-ease score calculator
- Rock, paper, scissors game

CSC 141 (Computer Science I), Python

Fall 2023

- Statistical analysis of an array
- Single-operation calculator

PERSONAL PROJECTS

Java

- Text-based Blackjack game, 374 lines July 2024
- Card game base package, 252 lines June 2024

TECHNICAL SKILLS

Languages: Java, Python, C/C++

Developer Tools: Visual Studio Code, Eclipse JDT, Code::Blocks

Operating Systems: Microsoft Windows 10/11, Linux CLI

Platforms: ServiceNow, Microsoft Azure AD

Software: BeyondTrust Remote Support

Maths: Calculus I, Introductory Statistics

RESEARCH

Plants and Pesticides

August 2019 – December 2019

Research assistant for Dr.Vishal Shah of Biology at WCU as a HS student

- Treated plants with different pesticides
- Monitored plants for insect presence

EXPERIENCE

Help Desk Agent

May 2024 – Present

West Chester University

West Chester, PA

- Acted as first point of contact for help desk consultations

Lot Attendant

March 2021 – March 2022

AutoLenders

Exton, PA

- Organized, managed intake of new vehicles
- Prepared cars for exchange, customers

Shift Lead

September 2020 – March 2021

Wayback Burgers

West Chester, PA

- Received and fulfilled customer orders, requests
- Maintained premises' front- and back-end