

# Alex Maneri

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📅 06/06/2003

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## EDUCATION

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**Computer Science Major concentrating in AI and Robotics. Minor in Mathematics,**

08/2021 – 05/2025

*University of Delaware*

Newark, DE

- Maintaining a 3.62 GPA and making the Dean's List for Fall 2022 and Spring 2023 with GPA's of 3.83 and 3.96, respectively.

### Relevant Courses:

Intro to CS I & II - Intro to Systems Programing - Data Structures - Machine Organization and Assembly Language - Intro to Algorithms - Intro to Software Engineering - Automata Theory

## PROFESSIONAL EXPERIENCE

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**Wealth Management Intern, DT Investment Partners ----- reference available**

06/2023 – 08/2023

Chadds Ford, PA

- Input investment portfolios into proprietary software to determine asset allocation. Revealed portfolio diversification, risk-return balance, and future outlook.
- Developed software to calculate loan payments, demonstrating programming skills and practical application of financial calculations.
- Input expense and income reports into Cheshire, software to produce a future financial planning and cashflow roadmap.
- Reviewed economic releases on a weekly basis to see impact on market when announced.
- Created personal investment portfolio using asset allocation techniques associated with modern portfolio theory (risk, return, correlation).

## RESEARCH EXPERIENCE

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**VIP: Drone Research**

02/2023 – 06/2023

Worked on team SafeTrack in the Vertically Integrated Project: Drones. Project SafeTrack is an interdisciplinary project that aims to develop a drone escort service that can autonomously assist individuals in emergency situations. The project utilized advanced technologies in Mechanical Engineering, Computer Engineering, and Computer Science.

## PROJECTS

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**Portfolio Website, [alexmaneri.com](http://alexmaneri.com)**

Utilized self-taught HTML, CSS, and JavaScript skills to develop a personal portfolio website.

**Dr. Seuss Generator**

Developed Dr. Seuss poem generator in C++ leveraging a hash map to generate unique Dr. Seuss-style poems based on an input Dr. Seuss poem text file.

**Dog Forest Escape**

Created 'Dog Evil Forest' in C++, a dynamic game where players control a dog through a matrix-based maze, showcasing advanced object-oriented programming.

**Music Manager**

Developed a versatile C++ playlist program utilizing classes and a doubly-linked list, offering functions like add, remove, shuffle, skip, and more for seamless music management.

**PMT Loan Calculator, <https://charming-biscuit-1acfe5.netlify.app/>**

Loan calculator software developed using HTML, CSS, and JavaScript. Programmed in VSCode IDE. Input loan amount, interest, and duration to get back necessary yearly and total payments.

## SKILLS

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Java C/C++ Python Git/Github JavaScript/TypeScript React Bootstrap HTML CSS Linux Vim Excel

## EXTRACURRICULARS

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•Computer Science + Social Good •UD Club Golf •Intramurals: Ultimate Frisbee, Soccer, Volleyball, Basketball