

# PANDELIS D. MARGARONIS

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## EDUCATION

### Hamilton College

*B.A. Computer Science, Mathematics minor*

Clinton, NY

August 2021 – Present

- **Relevant Courses:** Design Principles, Principles of Programming Languages, Algorithms and Data Structures, Computer Organization and Assembly Language, Artificial Intelligence, Calculus III, Linear Algebra, Statistical Analysis of Data, Statistical Modeling and Applications, Intro to ML, Probability and Statistical Inference.

## EXPERIENCE

### DXC Technology

*Technical Intern, Insurance Software and BPS*

Bethesda, MD

June 2023 – August 2023

- Created and managed a PostgreSQL database with over 30 tables, establishing connections over EC2 and RDS
- Developed upwards of 20 Python scripts for different tasks ranging from data import and export to data cleansing and testing, utilizing Pandas and NumPy libraries
- Utilized batch scripts and PgAgent Jobs to fully automate data cleansing, import, export, and testing processes handling files of up to 10,000,000 data records at a time
- Utilized Agile concepts to foster effective collaboration with diverse teams in daily scrum meetings, participating in 5 sprints
- Modernized and fully automated the life insurance policy conversion process, creating a scalable, secure, and adaptable solution which will be implemented across DXC's Insurance Service Line to significantly optimize costs and reduce process duration by over 500%

**Skills:** Amazon Web Services (AWS), PostgreSQL, PgAdmin4, Python, Multithreading, Batch Scripting, Agile, Windows OS

### Hamilton App Development Team (AppDev)

*Software Engineer, Solutions Architect on the Executive Board*

Clinton, NY

January 2023 – Present

- Collaborating within a 4 team cross-functional environment to build HamEvents, an application that simplifies the tracking and management of academic, club, and sport events at Hamilton College for students. The app is in the earlier stages.
- Led meetings with the Executive Board to develop the infrastructure of the application

**Skills:** Amazon Web Services (AWS), Prisma API, PostgreSQL, NodeJS, ReactJS, Trello, Agile, Jira, MacOS

### US Food and Drug Administration (FDA)

*Business Process Automation Intern*

Silver Spring, MD

May 2022 – August 2022

- Independently developed 3 apps to automate business processes within the office, utilizing Microsoft Power Apps and Power Automate software, as well as HTML and CSS
- Achieved a 5x increase in task execution efficiency, resulting in the implementation of these applications in the office's day-to-day operations

**Skills:** Microsoft Power Platform, Power Automate, UI/UX, App Design, Microsoft Access, Sharepoint, HTML, CSS

## ACTIVITIES & LEADERSHIP

### Hamilton College Varsity Men's Soccer

*Captain since Sophomore year, Team MVP 2022, All-Region First Team Selection, All-Academic Athlete*

Clinton, NY

August 2021 – Present

### AppDev at Hamilton

*Solutions Architect on the Executive Board*

Clinton, NY

December 2023 – Present

### Hamilton Sports Give Back

*Founder, Representative for Men's Soccer Team*

Clinton, NY

June 2023 – Present

## SKILLS

**Fluent:** Python, C++, Java, x86 Assembly, R/R-studio, SQL/PostgreSQL, HTML/CSS, Git, Agile

**Familiar:** Amazon Web Services, Machine Learning, Swift/XCode, JavaScript, Bash, Go, Prolog, Docker, Trello, Jira, Google Test

**Languages:** English (native), Greek (native), Spanish (intermediate), Italian (intermediate), Latin (intermediate)

## PROJECTS

SIC/XE Assembler (Python)

Internship Web Scraper Tool (Python)

Compression and decompression of files utilizing Huffman Encoding (C++)

AstroInvader - 1980's Arcade Game (x86 Assembly Language)

Metacircular Scheme Interpreter (Scheme)

Tic-Tac-Toe Game (Go)