# PANDELIS D. MARGARONIS

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## EDUCATION

**Hamilton College**                                                                                                    **Clinton, NY**
*B.A. Computer Science, Mathematics minor (Student-Athlete)*                               *August 2021 – May 2025*
- **Relevant Courses:** Design Principles, Principles of Programming Languages, Algorithms and Data Structures, Computer Organization and Assembly Language, Advanced Algorithms, Developing Accessible UI, Calculus III, Linear Algebra, Statistical Analysis of Data, Statistical Modeling and Applications, Intro to ML, Probability and Statistical Inference.

## EXPERIENCE

**DXC Technology**                                                                                                    **Bethesda, MD**
*Technical Intern, Insurance Software and BPS*                                               *June 2023 – August 2023*
- Architected and maintained a 30+ table PostgreSQL database with >99% uptime hosted on AWS (EC2, RDS) for future scalability
- Developed and optimized over 20 Python scripts for diverse tasks, including data import/export, cleansing, and testing, leveraging Pandas and NumPy libraries for efficient data manipulation.
- Automated data processes using batch scripts and PgAgent Jobs, handling database file uploads of up to 10 million records within minutes, ensuring seamless data cleansing, import, export, and testing
- Implemented Agile methodologies to enhance team collaboration and productivity, actively participating in daily scrum meetings and successfully completing five sprints
- Transformed the life insurance policy conversion process, designing a scalable, secure, and adaptable solution that will be deployed across DXC's Insurance Service Line, optimizing costs and reducing process duration by over 500%

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

**US Food and Drug Administration (FDA)**                                                         **Silver Spring, MD**
*Business Process Automation Intern*                                                              *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 through fully automated workflows, saving employees 2+ hours per week from previously redundant tasks, 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

## SKILLS

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

**Familiar:** Amazon Web Services, React, Bootstrap, Swift/XCode, JavaScript, CLI, Trello/Jira, SDLC Best Practices

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

## PROJECTS

*AI Text Analysis Tool*
- Automated extraction, processing, and summarization of messages from iMessage chats using Python and OpenAI's GPT-3.5 Turbo API. Working on implementing this within a web app and sending automated emails weekly containing results.

**Skills:** Python (data processing and API integration), Pandas (data manipulation and analysis), OpenAI GPT-3.5 Turbo API (NLP)

*Personal Website*
- The website includes various pages that provide information on my background and interests, my past internships and associated accomplishments, relevant coursework, and personal projects. Further, visitors are welcome to navigate to the contact page and fill out the form, which will send me an email with its contents upon submission.

**Skills:** HTML, CSS, JavaScript, PHP, Netlify (deployment)

*Internship Web-Scraper Tool*
- Developed a Python program with Google Cloud's Sheets API to scrape and update a spreadsheet with internship listings, while sending automated notifications upon new changes, ultimately saving me 3-5 hours per week. The tool was adopted by over 20 classmates, and different versions were built for my soccer teammates in other disciplines.

**Skills:** Python, Google Cloud Platform's Google Sheets API

## ACTIVITIES & LEADERSHIP

**Hamilton College Varsity Men's Soccer**                                                             **Clinton, NY**
*Three-year Captain, Team MVP 2022, All-Region First Team Selection, All-Academic Athlete*       *August 2021 – Present*

**AppDev at Hamilton**                                                                                     **Clinton, NY**
*Member, E-Board*                                                                              *December 2023 – Present*

**Hamilton COOP - Volunteering**                                                                       **Clinton, NY**
*Representative for Men's Soccer Team*                                                           *August 2023 – Present*