Panagiotis Moisiadis

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(610)504-7597
West Chester, PA

GitHub[i]
LinkedIn[ii]

TECHNICAL INTERESTS

Back-end development, software development, systems software

WORK EXPERIENCE

IT Consultant May-July 2021
Educational Testing Service
Provided technical support to clients via Zoom and email. Completed tasks on Box and Zoom including user imports, email changes and account merges. Worked cooperatively in a team environment.

PROJECT EXPERIENCE

- **Glide**[iii]**:** Completely custom HTTP server built purely in Java. Guaranteed portable, unlike the built in HttpServer class. Also uses less memory and responds faster.
- **Personal Website**[iv]: Custom backend and frontend website solution. The backend uses Spring Boot. The frontend uses HTML/CSS and JavaScript that implements end-to-end encryption with PGP.
- **OpenDance**[v]**:** This program tracks a user's movements through video and compares movements to a model to generate a score. The functionality is similar to the popular game "Just Dance" but is open source and does not use controllers. It uses machine learning and OpenPose.
- **JavaFX-Pixelator**[vi]**:** Created a cross-platform application using the JavaFX platform that pixelates images.

TECHNICAL SKILLS

Software: Cloud Services (AWS, Azure, Oracle Cloud), Git, GitHub, Linux, Windows, MacOS, Microsoft Office, Virtualization (Parallels, VirtualBox)
Programming Languages: Java (advanced intermediate), Python (intermediate)

EDUCATION

B.S Computer Science Expected Completion Date: May 2024
University of Pittsburgh 3.43 GPA
High School Diploma May 2020
Unionville High School 3.7 GPA

COMPLETED COURSEWORK

- **Calculus 1 and Calculus 2 (MATH 0220, MATH 0230)**
- **Intermediate Programming with Java (CS 401)**
  Course focused on object-oriented programming. Applied understanding of classes, methods, inheritance, abstract classes, and interfaces.
- **Discrete Structures (CS 441)**
  Demonstrated mastery of the use of abstract and discrete structures, logic, proofs, sets, relations, functions, counting and probability.
- **Introduction to Technical Writing (ENGCMP 600)**
  Demonstrated mastery in technical writing. Created representative and abstract reports. Gave visual and oral communication
- **Applied Statistical Methods (STAT 1000)**
  Course focuses on probability, sampling, experiments, hypothesis testing, regression, and the analysis of variance.
- **Data Structures & Algorithms 1 (CS 445)**
  Course focuses on data structures such as stacks, queues, trees, and lists. Recursion, reference variables, dynamic memory allocation, and searching/sorting algorithms are also covered.

IN-PROGRESS COURSEWORK

- **Computer Organization & Assembly Language (CS 447)**
  Will study components of computing systems frequently found in most computer architectures. Will learn the MIPS assembly language. Will study data representation, types of assembly language, design of arithmetic and logic units, and designs for RISC processors.
- **Data Structures & Algorithms 2 (CS 1501)**
  Will study algorithms and data structures including algorithms for searching, encryption, compression, graphs, and dynamic programming.
- **Software Engineering (CS 1530)**
  Will study project planning and management, design techniques, verification and validation, and software maintenance.

HIGHLIGHTS

- **Dean's List** University of Pittsburgh, 2020
- **AP Computer Science A:** Scored 5/5 on AP Exam
- **Member of National Honor Society** Unionville High School

EXTRACURRICULAR ACTIVITIES

Lead Viola, Unionville High School Orchestra: Led the viola section through rehearsals, sectional practices, and performances.

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[i] Full URLs if the hyperlinks don't work:
https://github.com/MyYogurt/

[ii] https://www.linkedin.com/in/panagiotis-moisiadis-076076165/

[iii] https://github.com/MyYogurt/Glide

[iv] https://github.com/MyYogurt/Personal-Website

[v] https://github.com/MyYogurt/OpenDance

[vi] https://github.com/MyYogurt/javafx-pixelator