DANIEL MALLIA

PHI BETA KAPPA MEMBER

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EDUCATION:

Hunter College, City University of New York
Bachelor of Arts in Computer Science – Current GPA: 4.0, anticipated graduation: Spring 2020
<u>Relevant Coursework</u>: Discrete Structures, Software Design and Analysis (3 courses), Computer Architecture (2 courses)

Fordham University: Graduate School of Arts and Sciences, Bronx, New York
Master of Arts in History, Concentration: Late Modern European History, August 2014

Fordham University: Fordham College at Lincoln Center (F.C.L.C.), New York, New York
Bachelor of Arts in History, minor in Political Science – *In Cursu Honorum, Magna Cum Laude*, May 2013
<u>Honors</u>: F.C.L.C. Honors Program, F.C.L.C. Dean's List, Fordham Dean's Scholarship, Departmental Honors in History

EXPERIENCE:

Lab Member, **Computer Vision and Graphics Laboratory, Hunter College,** New York, New York   6/2019 – present
Under supervision of Dr. Ioannis Stamos, and in cooperation with other lab members, striving to:
• Engineer 2D and 3D object detection systems in Python, employing the OpenCV library, for deployment on the laboratory robot, running ROS (Robot Operating System)
• Generate internal documentation on robot operation, debugging, and software development

College Assistant, **Department of Computer Science, Hunter College**, New York, New York   8/2018 – 5/2019
• Supported discrete mathematics students as an undergraduate teaching assistant: fielding questions during, and helping to lead, recitations, proctoring exams, and grading homework submissions
• Provided scheduled tutoring hours at the Dolciani Mathematics Learning Center, resulting in regular attendees

Litigation Paralegal, **McLaughlin & Stern, LLP,** New York, New York   4/2015 – 10/2017
• Served as one of two primary litigation paralegals for the New York office of mid-size law firm, McLaughlin & Stern, LLP. Worked with lawyers from the litigation, matrimonial, and trusts and estates law groups (approximately 15-20 attorneys total). Responsible for managing workload and time allocation to meet frequently concurrent needs
• Entrusted with preparation, service and filing of legal documents: research of court rules and filing procedures; drafting, review, and editing of legal documents, from correspondence to motions and legal briefs; assembly of documents and exhibits; handling service of documents on involved parties; arranging for, or executing, paper or digital filing
• Fulfilled critical roles in the discovery process: scanned, reviewed, bates-stamped and redacted documents for, or from, production; utilized discovery vendors where needed; participated in large document reviews for pertinent, privileged or confidential materials; aided in the drafting and review of interrogatories, document responses and privilege logs
• Contributed to employment and class action cases by creating or modifying Excel spreadsheets in order to aggregate and analyze data. Prepared pay/salary spreadsheets and reports as needed
• Performed various research tasks and projects: researched court and judges' rules, decisions, statutes, case dockets and filings; sought background information on involved parties; prepared and dispatched FOIA and FOIL requests

PROJECTS:

• Implemented Battleship using JavaScript, HTML and CSS: https://github.com/dmallia17/battleship
• Iowa housing pricing machine learning group project (extracurricular) – web app with HTML, CSS, and JavaScript frontend on the Python Flask framework, employing Pandas data science and Scikit-Learn machine learning tools: work in progress
• Currently researching two projects: a Python program to visualize and memorialize multivariable calculus concepts, and an application for quizzing on self-entered information regarding data structures, algorithms and definitions

SKILLS:

• Intermediate proficiency in C++; developing intermediate proficiency in Python and ROS (Robot Operating System)
• Comfortable with UNIX-based systems and Git
• Limited experience with HTML, CSS and JavaScript
• Basic proficiency in MIPS and Intel x86-64 assembly languages