

Christopher Giang

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EDUCATION

University of Maryland, College Park

Aug 2021 - May 2025

Bachelor of Science: Computer Science, Global Engineering Leadership Minor

GPA: 3.30

- Relevant Coursework: Data Structures, Advanced Data Structures, Algorithms, Discrete Mathematics, Linear Algebra, Probability and Statistics, Web Development with Javascript, Computer Systems

WORK EXPERIENCE

Computer Science Tutor | University of Maryland

July 2023 - Present

- Conducted engaging study sessions and developed tailored lesson plans to enhance comprehension and retention for 20+ students for a total of 45+ hours and received a 4.9/5 overall rating in student feedback surveys

Software Development Intern | General Dynamics Information Technology

June 2023 - Aug 2023

- Researched innovative techniques for obfuscation and deletion of personal data in automobile telematics systems
- Successfully extracted telematics data from Toyota and Lexus cars through infotainment systems using USB
- Created Python scripts to analyze telematic files and compare before and after factory reset of infotainment
- Discovered that phone identifiers, 95% of music history, and all location history remained after reset

Assistant Manager & Seasonal Sales Lead | Tommy Hilfiger

July 2019 - Aug 2022

- Trained and mentored 10 new hires in company processes, product knowledge, and customer service
- Managed and oversaw a 30-member sales associate team, responsible for delegating daily tasks, offering guidance, and coordinating weekly shift schedules

PROJECTS

Grocery List | ReactJS, Python, Pandas, BeautifulSoup

- Built a ReactJS web app prototype for a dynamic grocery shopping list illustrating compound interest effects
- Developed a Python web scraper using BeautifulSoup and Pandas to gather pricing data
- Placed 1st in Early Retirement Track of Georgetown University HoyaHacks Hackathon

Personal Portfolio Website | HTML, CSS, JavaScript

Translator | Ruby - Created a custom data structure to convert the language and grammatical structure of sentences

C-based Shell | C - Incorporated key shell features such as boolean operations, pipes, and file redirection

Document Manager | C - Built a functional terminal-based file editor and a text-based user interface for I/O operations

Maze Solver | Java - Implemented DFS, BFS, and Dijkstra's Algorithm to find shortest cost path in an undirected maze

Blackjack Game | Java - Developed the logic and data structure used for a Blackjack game against a computer dealer

EXTRACURRICULAR EXPERIENCE

Logistics Organizer | Bitcamp

Oct 2023 - Present

- Support Bitcamp's personnel team by recruiting and managing a team of 25+ volunteers and mentors to assist in developing technical workshops for UMD's premier hackathon
- Partnered with the UMD Division of IT to coordinate all technical aspects, such as wifi, speakers, audio, monitors, and power strips, ensuring a seamless experience for an expected attendance of 1700+ students

Software Engineer Mentee | Hack4Impact-UMD

Aug 2023 - Present

- Participating in a semester-long bootcamp to learn a comprehensive toolkit of full-stack web development skills
- Contributed as a member of a community of Student Software Engineers, focusing on software development projects tailored to support non-profit causes

TECHNICAL SKILLS

- Languages: Python, Java, SQL, C, HTML/CSS, Javascript
- Technologies: Git, Regex, ReactJS, MySQL, NodeJS, MongoDB, Express
- Operating Systems: Windows, Linux
- Methodologies: Agile