Nathan Wang

127 Deborah Dr. | Wyomissing PA, 19610 | nywang08@gmail.com | 484-755-8771 | US Citizen

EXPERIENCE

CARMAX | Systems Integration Intern
June 2021 - Aug. 2021 | Remote
- Built a resilient, end-to-end application ready for production.
- Developed a data analysis dashboard using React.js.
- Implemented a backend for frontend layer using C#.
- Set up an Azure Pipeline to help manage the dashboard.
- Learned better debugging conventions and best practices for writing enterprise-quality code.

BIOTELEMETRY, INC. | Data Science Intern
July 2020 - Dec. 2020 | Remote
- Worked with cross-compilers to send and receive generated signals between multiple hardware devices.
- Developed a program that compiles and analyzes input data using Python.

GEORGIA TECH | Teaching Assistant
Engineering Software Design
Aug 2021 - Jan 2022 | Atlanta, GA
- Taught students how to write clear, concise, industry-level code with acceptable documentation standards.
- Led undergraduate teaching assistants in hosting office hours and review sessions to address concerns and solidify knowledge in concepts learned in class.
- Further broadened my capabilities in C++ and embedded systems.

Programming with Hardware and Software Systems
Jan 2020 - May 2021 | Atlanta, GA
- Assisted students with their work and concerns pertaining to MIPS Assembly and C software along with mBed hardware.
- Coordinated with fellow teaching assistants to host review sessions to facilitate learning among students.
- Further expanded my knowledge on C/C++ and MIPS Assembly.

RESEARCH

GEORGIA TECH | ECE Undergraduate Research Assistant
Jan 2020 - May 2020 | Atlanta, GA
- Created and tested Quasi-Electrostatic simulations of nanolaminate composites using C++.
- Worked with a team to develop a program code for matrix calculations.

PROJECTS

CARMAX INNOVATION GARAGE | Finalist
July 2021 – Aug. 2021 | Remote
- Developed a web crawler using Puppeteer.
- Created an Azure Pipeline to host the crawler and store data.
- Designed a web extension to host data comparison.
- Improved upon knowledge on web scraping and Azure cloud computing.

EDUCATION

GEORGIA TECH
B.S.M.S. in Computer Engineering with a minor in Computer Science Artificial Intelligence
Expected May 2023 | Atlanta, GA
Dean's List
(Spring 2019, Fall 2019, Spring 2020, Fall 2021, Spring 2022)
Cum. GPA: 3.88 / 4.0

SKILLS

PROGRAMMING
3+ years:
Python • C/C++ • Java • Command Line
1+ years:
Matlab • VHDL • MIPS Assembly • C#
Others:
JavaScript • HTML • CSS • Node • React

SOFTWARE
Git/Github • Android Studio • Linux
UNIX • Windows • Photoshop
Inventor • Quartus II • VS/VS Code

HARDWARE/TOOLS
Raspberry Pi • mBed • Lathe • Drill Press
Resin/3D Printer • Soldering Iron

LANGUAGES
English (Native) • Chinese (Fluent) • Spanish (Conversational)

SOFT SKILLS
Teaching • Teambuilding • Leadership

COURSEWORK

HIGHLIGHTED COURSEWORK
Digital Systems Design • Programming with Hardware and Software Systems • Signals and Systems Advanced Computer Architecture • Data Structures and Algorithms • Circuit Analysis • Cloud Computing • Intro to Artificial Intelligence

ORGANIZATIONS
Robojackets (BattleBots) • IEEE Eta Kappa Nu (HKN)

LINKS
LinkedIn:// **nathanwang-gt**