DAI NGUYEN

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EDUCATION

September 2016 - June 2018
Seattle University - Seattle, WA
Bachelor of Science in Electrical Engineering

September 2018 - June 2021
Seattle Central College - Seattle, WA
Web Developent &
Network Administrator Certificate

COMPETENCIES

Software and Platforms:

Visual Studio, Eclipse, GitHub/GitLab, Microsoft Office, NI Multisim, NI Ultiboard, NI LabView, CYME, AutoCAD, Microsoft, Mac OS, Linux

Languages, Libraries, and Frameworks:

C, C++, C#, Java, JavaScript, Python, MATLAB, MIPS Assembly Language, VHDL, jQuery, Node.js, Express.js, REST API, HTML, CSS, PHP, MongoDB, SQL (MySQL)

Internet Protocols:

TCP/IP, OSI, OSPF, BGP, DNS, P2P, DHCP

Additional Skills:

- Full-stack web & mobile apps design and developments
- Wireless & Network Security Integration
- PCB design, testing, and soldering
- FPGA programming and testing
- Researcher
- Fast learner and a problem solver
- Strong organizational, analytical, & presentation skills

RELEVANT EXPERIENCE

June 2020 - September 2021
IT Technician at Evergreen Chiropractic
Responsible for Wi-Fi infrastructure migration, maintaining existing computers, as well as backuping clients medical records.

October 2017 - Present
Full-Stack Engineer at Sync-n-Scale
- Designed and implemented a web application to reverse more than 100 geographic locations at the same time to Google Maps by using Latitude and Longitude from Degree, Minute, and Second (DMS) format
- Integrated a front-end to back-end upload so that a csv file of Latitude and Longitude coordinates could be uploaded to a MySQL Database and pulled them to the front-end to reverse all geographic locations
- Frontend/backend work using PHP, JavaScript, jQuery, & MySQL

September - October 2017
Single Page Application at Seattle Central College
Worked within Node Package Manager to build a single page book application by utilizing Node.js, Express.js, React.js, MongoDB, and REST API to update the webpage without reloading the webpage.

June 2017 - August 2017
Undergraduate Research Assistant at Seattle University
- Provided ongoing assistance to an assigned faculty member
- Handled various responsibilities related to research projects and miscellaneous assignments
- Assisted in the development and implementation of engineering projects, including using MATLAB and ThingSpeak to design, build, and implement an image classification for an IoT application

September 2016 - June 2017
Interdisciplinary Project: PACCAR Tractor/Trailer Communication
Refined truck's trailer communication system via Bluetooth, XBee sensor modules implementation.
- Designed and manufactured two working prototypes within a year using SolidWorks (3D modeling)
- Programmed in C++, used OpenCV and LabView for image processing

January 2017 - March 2017
VHDL Teaching Assistant at Seattle University
Oversaw lab operations including sanitizing and sterilizing equipment and workspaces, and upholding lab procedures, methodologies, and processes. Provided ongoing assistance to laboratory students, specifically with developing and comprehending programming projects using VHDL to FPGA.
- Mentored students on best practices and proven strategies in writing code more efficiently and developing habits, and coding style to standardize project deliverables