

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 Development &

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 backing up clients medical records.

September 2019 - February 2021

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.

- Programmed Raspberry Pi 3 as a data hub to collect sensors' data and store it in a SQL Database
- Enhanced and implemented Android application based on Android APIs and Google Bluetooth Chat
- Integrated data hub and Android application so that the Android application can get and display sensors' data via Bluetooth connection

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