






# 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:

Google Cloud Platform (GCP), Visual Studio, Eclipse, IntelliJ, GitHub/GitLab, Jenkins, Jira, Microsoft Office, NI Multisim, NI Ultiboard, NI LabView, CYME, AutoCAD, Microsoft, Mac OS, Linux

Languages, Libraries, and Frameworks:

C, C++, C#, Java, TypeScript, JavaScript, Python, MATLAB, MIPS Assembly Language, VHDL, jQuery, Node.js, Express.js, REST API, Spring Boot, 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

April 2022 - Present

### Software Engineer at Macy's

Responsible for infrastructure migration, maintaining existing functionality, as well as implementing new features following Macy's new warehouse management system.

- Integrated on-premise applications to Google Cloud Platform (GCP)
- Developed and maintained web applications using Java, Spring Boot, React, and Typescript
- Worked with RESTful APIs to integrate front-end and back-end functionalities
- Utilized Agile methodologies and DevOps practices to streamline development processes
- Collaborated with cross-functional teams to ensure timely delivery of projects

April 2021 - December 2021

### IT Technician at Evergreen Chiropractic

Responsible for Wi-Fi infrastructure migration, maintaining existing computers, as well as backup 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.

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