# DAI
# NGUYEN

Atlanta, GA 🌐
dai-nguyen.com 🌐
hire@dai-nguyen.com ✈
linkedin.dai-nguyen.com in
github.dai-nguyen.com 🐙

## 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, IntelliJ, 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, 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.

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

**September 2019 - Feburary 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