

Kabiltan Kalaichelvan (US Citizen)

608-770-1790 | kalaichelvan@wisc.edu | [linkedin.com/in/Kabiltan](https://www.linkedin.com/in/Kabiltan) | github.com/Kabiltan

EDUCATION

The University of Wisconsin - Madison

Bachelor of Science in Computer Engineering 3.92/4.0 GPA

Madison, Wisconsin

Aug. 2019 – Dec. 2023

TECHNICAL SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, MongoDB, DynamoDB, React.js, Node.js, Express.js

Developer Tools: Amazon Web Services, GitHub, Git, Visual Studio Code, Eclipse, Jupyter, Microsoft Office

Languages: English, Tamil

PROJECTS

Covid-19 Machine Learning Model - Uses: Python, Jupyter Notebooks

- Worked in conjunction with two undergraduate students and one PhD student to train a random forest machine learning model that was able to correctly classify Covid-19 in patients with 83% accuracy

Path Finding Visualizer - Uses: JavaScript, HTML, CSS, React.js

- Web application that allows users to visualize various path finding algorithms such as A-star and Dijkstra's

EXPERIENCE

Travelers Insurance - Software Engineer Intern

June 2022 – August 2022

The University of Wisconsin - Madison

St. Paul, MN

- Worked on a team to design and develop a full stack application that uses natural language processing to quantify the emotions of 100+ interns and 2000+ employees
- Deployed full stack application to AWS using services such as API Gateway, Lambda, DynamoDB, EC2, and S3
- Demoed final application to a group of Senior Vice Presidents

Department of Information Technology - Technical Writer

November 2019 – Present

The University of Wisconsin - Madison

Madison, WI

- Provide over the phone, chat, and email support to faculty, students, and staff
- Trained over 20 newly hired employees
- Created web applications to provide Covid-19 information to 40,000 campus personnel

BadgerLoop - Low Voltage Team

October 2019 – May 2021

The University of Wisconsin - Madison

Madison, WI

- Assisted in selecting a new retroreflective sensor for slippage detection and velocity measurements on the driving wheel.
- Assisted in redesigning the telemetry retroreflective sensor circuit
- Assisted in population of printed circuit boards

AWARDS AND ACHIEVEMENTS

Claude and Dora Richardson Engineering Scholarship

August 2020, August 2021, August 2022

- Received scholarship from the UW-Madison Department of Electrical and Computer Engineering for outstanding academic performance in engineering courses

Dorothy Marshall Frawley Scholarship to honor Charles J Marshall Frawley

August 2020

- Received scholarship from the UW-Madison Department of Electrical and Computer Engineering for outstanding academic performance in engineering courses