KASITSAK CHUPONGSTIMUN (KASS)

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OBJECTIVE: Seeking full-time frontend software engineer or DevOps position

EDUCATION

- University of Wisconsin-Madison   Madison, WI
    B.S. Computer Science & Electrical Engineering - May 2018   GPA: 3.86 / 4.0
- University of California-San Diego   La Jolla, CA
    M.S. Computer Science - Expected March 2020   GPA: 3.79 / 4.0

EXPERIENCE

CODIUM - *Frontend Software Engineer Intern*   Bangkok, Thailand | Summer 2018

- Worked on a back-office web application project for The Football (Soccer) Association of Thailand
- Developed a social-media-like communication and project management platform to support efficient and convenient communication between the staff of the football association
- Developed a web interface to the database of football players, clubs, referees, and officials across Thailand
- Created a match events logging system that could record and store all events in a soccer match
- Directly communicated with the client to ensure that requirements are met and that the application is tailored to the client's exact needs

HomeAlive - *Developer*   La Jolla, CA | Fall 2018

- Developed a gesture-controlled WiFi lights system based on the Kinect depth-sensing camera and Lifx Wi-fi light bulbs
- Users are able to map gestures to different lights, toggle them on/off, and control their brightness

USDA-ARS & UW Dairy Sciences Department – *Student Developer*   Madison, WI | Fall 2017 – Spring 2018

- Cooperated with dairy scientists to modify IFSM, an existing dairy farm simulation program, to suit their research needs
- Implemented a new feature in IFSM that enables entering a customized cow feeding ration
- Collaborated with researchers across multiple universities to develop RUFAS, a modern dairy farm simulation program based on IFSM, written in Python
- RUFAS is designed to be clean and modular, allowing researchers with less programming experience to be able to integrate their own simulation routines into the program with ease
- RUFAS has a clearly-defined and customizable output module that allows users with minimal programming experience to easily select output values and export as a wide variety of formats

Wisconsin Racing Formula SAE - *Software Engineer*   Madison, WI | Spring 2015 – Fall 2017

- Worked with the race car driver to tailor the user interface of the LCD display and controls on the steering wheel of the car specifically to the driver
- Programmed the car's steering wheel LCD screen, which displays important information using data from various sensors of the car
- Programmed and managed the CAN communications of the steering wheel with the rest of the vehicle

CryptoParking - *Developer*   La Jolla, CA | Winter 2019

- Developed a prototype parking lot management system that takes Bitcoin payments
- Customers park in a spot, where a blocker is raised to block the car in until payment is received
- The small touchscreen kiosk displays information and provides a wallet QR code for the customer to scan and send the payment

BookFace - *Frontend Developer & UX/UI Designer*   La Jolla, CA | Fall 2018

- Created a simple website that pulls and categorizes posts from Facebook groups using the Facebook API and display them in one unified feed that supports filtering and searching
- Provides a better way for users to browse Facebook group posts, useful when users are part of many marketplace and lost/found groups

SKILLS

- Languages   English (fluent), Thai (native), German (basic), Mandarin (basic)
- Code   Python, C, Javascript, Typescript, Angular, React, Vue, NodeJS, HTML, CSS, SCSS
    Basic proficiency: Swift, Java, C++, C#, Fortran, SQL
- Software   Git, Docker, G-cloud, Adobe XD, Terminal, Matlab