

VINCENT R. KOETEN

U.S. Citizen

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EDUCATION

Master of Science in Embedded Systems

Delft University of Technology, the Netherlands.

Specializing in Embedded Software

Degree Expected August 2018

Bachelor of Science in Computer Science

California State Polytechnic University, Pomona, United States of America.

Degree Honors: Magna Cum Laude.

Degree Received June 2016

WORK EXPERIENCE

Momo Medical

Learning about neural networks and machine learning to implement sensor classification for an embedded system as part of my thesis work.

November 2017 - Current

Forze Hydrogen Electric Racing

Learned the basics of power electronics to assist in redesigning the power supply and distribution unit. Worked with autonomy and coordinated efforts with a large team.

September 2016 - August 2017

Epic Systems

Developed with a small team using an agile environment to convert a native Windows application to a web platform using ASP.NET. Designed and implemented improvements to the users' work-flow while also building additional customization.

Summer 2015

Round Table Pizza

A fast paced, constantly evolving environment where teamwork and communication were key to recognizing inefficiencies and overcoming them.

January 2015 - June 2016

PROJECTS

Quadcopter

Course project for developing the control software for flying a quadcopter using a joystick. Implemented custom message passing over UART combined with a state machine for safe operation.

October 2017

Groceries For Us

A web based grocery list application designed to be easily shared for households and roommates. Added cost-splitting to assist group purchases and split meals. Also utilizes voice commands to add items to the list.

February 2015

Scavenge With Friends

Scavenger hunt game based in any city using Googles Street View for a user specified objective created during a hackathon. Users can play in lobbies of up to four players.

January 2015

Bronco Scheduler

A web based application created by students for students to assist in choosing a schedule of classes. Initially built during a hackathon, it has been used by over 17,000 students. Designed to have an intuitive and sleek interface to simplify the process of class selection.

January 2014

SKILLS

Programming Languages

Python (advanced), C (proficient), Java (proficient), Git (proficient), C++ (intermediate), C# (intermediate), LaTeX (intermediate), HTML (basic), CSS (basic), Javascript (basic)

Operating Systems

MacOS (advanced), Windows (advanced), Linux (proficient)

Human Languages

English (mother tongue), Dutch (basic)

INTERESTS

Water Polo and Swimming, Formula 1 Racing, Cooking and Baking