Kevin Palani

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https://github.com/KevinPal/

EDUCATION

Aug 2018 – May 2022 | **UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN**
Bachelor of Science in Computer Engineering

Aug 2014 –May 2018 | **EVERGREEN VALLEY HIGH SCHOOL**
High School Diploma – Magna Cum Laude

SKILLS

Programming Languages	Java, Python, Golang, C, PHP, MIPS
Platforms	Windows, CentOS, Android, Arduino, Raspberry Pi, Nvidia Jetson, RoboRio
Tools	Microsoft Office, Adobe Photoshop, Git, Unity
Soft Skills	Extremely fast learner, Hardworking, Flexible

WORK HISTORY

JUN 2018 – AUG 2018 | **NEBBIOLO TECHNOLOGIES** Software Engineering Intern

Designed and developed various features, including distributed computing, high availability data, and data visualization, while learning about corporate level programming workflows, networking topics, Unix, and proper design and architecture. By working in a professional environment, I also developed strong teamwork and communication skills.

ACTIVITIES AND PROJECTS

Aug 2018 – Present | **OCARINA OF TIME RANDOMIZER** Open Source Contributor

I currently am actively contributing to the Ocarina of Time Randomizer, an open source game hack played by thousands of people with active tournaments. I work with assembly (MIPS) and raw binary data, as well as C and python to modify the original game's behavior. My work is a direct application of what I have learned in my first semester at UIUC from ECE 120. My fork can be seen here: https://github.com/KevinPal/OoT-Randomizer

Aug 2018 – December 2018 | **CS HONORS PROJECT** UI Traffic

Developed a mobile application using React Native to monitor and display crowded areas on campus.

Aug 2018 – December 2018 | **ECE HONORS PROJECT** IOT Smart Hub

Created an application that gathered data from sensors and could turn on and off devices based on sensor values, as well as display data on a web portal. Developed using PHP, the TICK stack, an ESP32, and hardware logic.

Aug 2014 –May 2018 | **FIRST ROBOTICS** Programming Lead

Led a team of students to program an FRC robot, with our efforts qualifying us for the world championships for the first time in 10 years. Learned concepts such as PID, vision processing, distributed computing, path planning, and motion profiling. I also learned how to delegate tasks and lead a team.

ACHIEVEMENTS

API World 2017 – 1st place at the Dell Boomi Challenge the largest API integration hackathon
Integrate 2015 – 2nd place at the Net App Challenge at the largest API integration hackathon
AP Scholar with Distinction – Award given to students who score high on 5 AP exams
FIRST Engineering and Inspiration Award – Awarded to the robotics team that promotes engineering in their community and displays excellence in engineering.

RELEVANT COURSEWORK

CURRENT	ECE 220	ECE 110
COMPLETED	ECE 120 HONORS	CS 196 HONORS **|** AP CS A	AP CS P