

TYLER PERKINS

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OBJECTIVE

Seeking an entry position in embedded systems, OS development, or back end web development in May 2022 to utilize my problem solving and team work skills.

EDUCATION

Kent State University, Kent, Ohio
Bachelor of Science : Major Computer Science

Anticipated May 2022
Overall GPA: 3.5

Selected Coursework: Operating Systems, Computer Architecture, Embedded Systems, Design and Analysis of Algorithms, Systems Programming, Database Systems Design, Cryptology

TECHNICAL STRENGTHS

Technologies

MySQL, ASP.NET, Entity Framework, MVC5, Bootstrap, SDL2, Linux/Unix, Linux Kernel, git, L^AT_EX, RESTFUL APIs, IIS, nginx, Apache2, Docker

Languages

C, C++, C#, Java, JavaScript, PHP, Python, Bash, Go, x86 Assembly, AVR Assembly, Verilog HDL

Miscellaneous Tools/Technologies

UML, SysML, MS Office, Ham Radio Operator (Technician Class, KE8TIZ), Software Defined Radio, 3D-printing, IoT Developemnt (ESP32, ATmega328P)

WORK EXPERIENCE

Kent State University, Kent, Ohio
Software Developer

January 2020 - August 2020

- Analyzed client needs for an internal attendance application, and developed a web application in 3 months leveraging ASP.NET Core to meet client requirements, delivering an application still in use with two thousand concurrent users.

Subway Inc., Cuyahoga Falls, Ohio
Store Manager

December 2017 - May 2019

- Overcame lunch and dinner rushes by effectively communicating with team of employees to meet customer needs.
- Reduced wasted food by taking weekly inventory and correctly placing orders for new store inventory.

PROJECTS

Syllabus Generator

Anticipated May 2022

A web application for automating the creation of Syllabi for the Computer Science department at Kent State. Created to customer specification to create consistent, compliant syllabi across the department, leveraging Flask, MongoDB, and python-docx. Created as a team capstone project, for Kent State University.

Simple Dashboard

August 2021 - December 2021

A lightweight dashboard/digital signage application designed with the Raspberry Pi single board computer in mind. Highly customizable using direct SDL2 drawing functions. Very performant on low end hardware, leveraging purpose built data structures. Created for personal use as a smart home centerpiece.

rss-cli

July 2021

A Unix core utility inspired command line application for parsing RSS feeds. Designed with scripting in mind and automatic usage with cron-jobs, bash scripts, and more. Created for personal use for automating podcast and YouTube downloads.