Dave Becker

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https://dave-becker.com
https://github.com/dmb1107

Software & IT Skills

- iOS app development with Swift
- High performance computing
- Proficient with Java, C, Swift, JavaScript, HTML/CSS, Git, Linux, Ansible
- Web development
- Familiar with C++, Python, PHP, xCat, OpenMPI, MATLAB, Objective-C, R, KVM

Education

2017 – 2021

Computer Science & Engineering / The Ohio State University

GPA: 3.74

Projects – Full list can be found at: https://dave-becker.com

Against LoL Odds – https://againstlolodds.com

Hired as a freelance worker to develop the front end of this website. Used Bootstrap and vanilla JavaScript. On launch day, received 26,279 unique visitors.

Time Calculator++ – https://github.com/dmb1107/Time-Calculator

Time Calculator++ is an iOS application that allows for a quick and easy way to perform math calculations using dates.

Hide-A-Password – https://crypt.dave-becker.com/

Simple web app for encrypting and decrypting messages using AES-CBC.

Grit – https://itunes.apple.com/us/app/grit-find-resources/id1445375533?mt=8

Grit is an iOS application that was developed by the Code That Cares team at OSU as a tool for reformed felons to turn their life around after being released from prison.

Activities

2017 - CURRENT

Lead iOS Developer / Code That Cares

Lead iOS developer and treasurer for a school sponsored club dedicated to developing mobile apps for charity organizations and nonprofits. This club has provided valuable experience with collaborating on projects and establishing effective ways to design and implement code for production applications.

OCT 2018

OHI/O Hackathon

Collaboratively developed a React web application that allows users to create lists of their favorite albums and songs. progress can be found on GitHub: https://github.com/MichaelHayworth/HackOHIO.

Work Experience

SUMMER 2019

Intern, Secure Computing Digital Technology – HPC Linux Team / Pratt & Whitney

East Hartford, CT

- Set up and managed virtual HPC clusters with xCat and KVM while writing C code to parallelize using OpenMPI.
- Developed a website that dynamically compiles classified and unclassified data into a self-help website for engineers using HPC in classified environments.
- Individually completed full project lifecycle, including chartering, developing, testing, documenting, and releasing.
- Took part in and presented to senior systems engineers at Architectural Review.
- Presented finalized project to executives.