Jake **Vaughn**

Computer Engineer

CONTACT

jakevon358@gmail.com

(563) 690-8784

Des Moines, IA

Linkedin

Github

Website

SKILLS

C, C++

TypeScript / NodeJS

Java (SE)

Solidity (Hardhat)

SQL (MySQL, SQLite)

Verilog/VHDL

GitHub

PROJECTS

MIPS Processor

Build from scratch a processor in VHDL using ModelSim on an Altera FPGA board. The processor featured pipelining and a custom instruction set.

Extracurricular Activities

ISU Mountaineering and Climbing Club

Executive Member – Risk Manager

EDUCATION

Iowa State University, Ames IA
— *B.S. Computer Engineering*

Aug 2017 - May 2021   3.45 GPA

Relevant Coursework: Assembly Level Programming, Software Development Practices, Design/Analysis of Algorithms, Cyber Security Concepts, Principles of Programming Languages, & Embedded Systems Design.

EXPERIENCE

Self-Employed — Software Developer

July 2020 - Current

- Smart Contract development using Typescript, Hardhat, and EthersJS
- Setting up hardware, firmware, and software for Ethereum mining
- Creating/managing Blockchain Nodes for RPC endpoint connections
- Teaching core concepts on a variety of Blockchain based topics
- Doing anything that piques my interest or generates income

United Parcel Service — *Package Handler*

April 2019 - August 2019

Summer Job, sorting and loading packages. Used UPS Earn and Learn program to pay summer class tuition.

Solution Works — *Computer Repair Tech*

May 2015 - August 2017

Diagnosed and repaired customer computer hardware and software.

- Installed operating systems
- Built and upgraded computers

Subway — *Sandwich Artist*

February 2015 - May 2015

Prepared subs and salads for customers per order, prepped daily stock of foods, and Handled cash/ credit/debit transactions.