

Sufyan Dawoodjee

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EDUCATION

Georgia Institute of Technology

Master of Science in Computer Science, GPA 3.91

Atlanta, GA

May 2017

University of South Florida

Bachelor of Science in Computer Engineering, GPA 4.0

Tampa, FL

December 2014

SKILLS

JavaScript, HTML, CSS, Typescript, React, Redux

C, C++, C#, Python, Java, SQL,

Windows, OS X, *NIX

EXPERIENCE

Qualcomm

Software Engineer

Software Engineering Intern

San Diego, CA

July 2017 – Present

May 2016 – August 2016

- Added benchmarking functionality to embedded C GSM modem drivers
- Wrote utility to automate collecting benchmarks
- Developed Python web app for uploading benchmarks and analyzing trends

Georgia Institute of Technology

Teaching Assistant, Compilers (Spring 2016/2017), Processor Design (Fall 2015/2016)

Atlanta, GA

August 2015 – Present

- Taught lectures, gave demonstrations, fielded student questions, and graded assignments and projects

J.P. Morgan Chase

Application Developer Intern

Tampa, FL

June 2014 – August 2014

- Enhanced the Global Liquidity Engine JSF web app to present corporate account information
- Coordinated design review for a major Global Liquidity Engine release

PROJECTS

Saka Key

- Developed and published a Chrome/Firefox extension for keyboard-only web browsing
- Built with JavaScript (ES6+), Preact, Redux, Webpack, and Material Components

Tiger Compiler

- Developed a custom language to MIPS assembly compiler
- Designed and implemented components including a table-driven scanner, table-driven parser, type checker, IR code generator, multiple register allocators and MIPS code generator

Chip-8 Emulator

- Designed and developed a cross-platform Chip-8 emulator using C
- Ported to the web with Emscripten

Saka Voice

- Developed a proof-of-concept Chrome extension for voice-only web browsing
- Built with CoffeeScript as a fork of Vimium

Mosi

- Developed and published a JavaScript library that simplifies Chrome extension messaging
- Designed a simple, declarative, event-driven, pub/sub API with built-in logging

Havoc Todo

- Developed the web frontend of a multi-platform task management app
- Utilized Javascript (ES6), React and Redux

Full-Custom Thermometer ASIC

- Built from scratch, the schematic and layout of a CMOS circuit for displaying ambient temperature in degrees Celsius or Fahrenheit on seven-segment displays