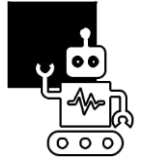


ALLAN E. SERNA

(615) 554 – 9168 || aeserna.com || allanserna@gatech.edu
github.com/emanuallan || linkedin.com/in/allan-serna



EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, GA

August 2015 – May 2020

Bachelor of Science in Computer Science with focus in People & Media (HCI)

Major GPA: 3.6; High Honors, SanDisk Scholar

WORK EXPERIENCE

SIGNAL 11 Remote

May 2020 – Current

Co-founder / JavaScript Developer

- Co-founded a contract software development shop, focusing on helping startups and small businesses build great experiences on the Web, primarily in ReactJS and Redux
- Built entire feature sets, like blogging, social media sharing widgets, ATS recruiting integrations, and more
- Tech stack includes TailwindCSS, Material UI, & React Bootstrap for the FE, and Firebase & Mongo for the BE

NEW BALANCE St. Louis, MO

August 2019 – December 2019

Front-End Web Developer Intern

- Created page banners, product headers, navigator tiles, and marketing emails using HTML, CSS, & JavaScript
- Scripted a web crawler using Selenium that scans merchandise and detects price/stock changes with Python
- Optimized product page load times by up to 25% by compressing graphics and minifying CSS

DISPERSIVE NETWORKS, INC. Alpharetta, GA

May 2019 – August 2019

Full-Stack Web Developer Intern

- Built a CRUD application with ReactJS and Redux that manages permissions for applications based on positions in a visual workflow tree, improving the onboarding process from a couple of weeks to minutes
- Implemented various tree updating algorithms like insertion, deletion, editing, and drag & drop

PROJECTS

PURPLEPUNDIT

Multi-Source News Website, Personal Project

- Built a React JS web application that separates the latest articles by their topic and political bias
- Developed additional NodeJS API layer that incorporated the NewsApi.org and added a political bias parameter

RING ALERT

Device Prototype, Team Project

- Collaborated on a prototype that alerts contacts when found in danger using an Arduino
- Implemented CRUD management of contact data and triggered messaging alerts using Twilio's API

TECHNICAL SKILLS

Programming Languages: JavaScript, HTML, CSS, Java, Python, GoLang, D3, C#, C

Frameworks & Libraries: React (JS + Native), Redux, Next.js, NodeJS, Express, Unity, Selenium

Back-end Services: Firebase, MongoDB, Amazon Web Services (Lambda, API Gateway, DynamoDB)

Additional Skills: Git, RESTful API's, Code Reviews, Bilingual: English (Native), Spanish (Native), Adobe CC