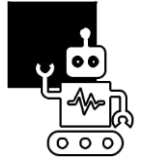


ALLAN E. SERNA

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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

THE MICHAELS COMPANIES, INC. Irving, TX

November 2020 – Current

Software Development Engineer 2

- Lead FE Developer for Michaels product dispute flow and customer care portal in ReactJS & Redux
- Diagrammed user flows, planned data structures, and held weekly demo meetings with the company CIO
- Formed documentation for requirements, coding practices, and code reviews

SIGNAL 11 FREELANCING Remote

May 2020 – November 2020

Co-founder / Web Application Developer

- Co-founded a software development shop, acquiring contracts with rising start-ups, Scholars & TallySight
- Built entire feature sets, like blogging, social media sharing widgets, ATS recruiting integrations, and more
- Tech stack included 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

RING ALERT

Device Prototype, Mobile & Ubiquitous Computing 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, TypeScript, 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