**ALLAN E. SERNA**

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**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 ReactJSandRedux 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

**EDUCATION**

**GEORGIA INSTITUTE OF TECHNOLOGY** Atlanta, GA August 2015 – May 2020 **Bachelor of Science in Computer Science** withfocus in People & Media (HCI)

Major GPA: 3.6; High Honors, SanDisk Scholar; *Pursuing Online M.S. in Fall 2021*

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**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