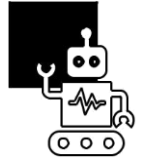


# ALLAN E. SERNA

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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 [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

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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](#); *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](#)

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## 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