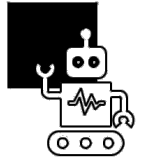# ALLAN E. SERNA

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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; Higher Honors, SanDisk Scholar

WORK EXPERIENCE

SCHOLARS CORP. Remote Startup   May 2020 – Current
React/Redux Web Developer Contractor
- Utilized Firebase and JavaScript for our recruiting software that allows companies to upload & store talent data
- Developed platform podcast page and career guidance resources in ReactJS using Material UI and Tailwind CSS

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
- Incorporated a dashboard that shared further information and added search & sort functionality

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
- Currently developing a React Native application based off the web application

RING ALERT
Device Prototype, Team Project
- Collaborated on a prototype that alerts contacts when found in danger using an Arduino
- Implemented CRUD manipulation 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, React Native, Redux, 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