

## Work Experience

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| <b>SDE Intern</b>  | <u><a href="#">Amazon</a></u>             | <u><a href="#">GitHub</a></u>   Jun 2021 - Sep 2021 |
| <ul style="list-style-type: none"><li>Designed and lead the development of a <b>Python</b> testing framework for <b>OpenSearch's</b> (Amazon Elasticsearch) <b>k-NN</b> plugin</li><li><b>Automated</b> the benchmarking and detection of performance regressions in the plugin's <b>CI/CD</b> workflow, preventing potential production bugs and enabling faster/robust development</li><li>Leveraged <b>OO</b> and strong abstractions to maintain simplicity and extensibility while efficiently processing millions of documents per test</li><li>Utilized <b>Docker/Compose</b> for test isolation and automated deployment; <b>EC2</b> instances for scalability</li></ul> |   |   |
| <b>Lead Front End Developer</b>  | <u><a href="#">Hollr Technologies</a></u> | Summer 2020 - Present                               |
| <ul style="list-style-type: none"><li>Developed <b>Chrome extension</b> at a startup facilitating users in streamlining the sharing of products with others such as Amazon, Netflix, Youtube</li><li>Used <b>React TypeScript</b> on the frontend and <b>Firebase/Firestore</b> to manage user settings and endorsements</li></ul>   |   |   |
| <b>Front End Developer</b>   | <u><a href="#">ACM UCSD</a></u>           | Fall 2020 - Present                                 |
| <ul style="list-style-type: none"><li>Helped maintain membership portal with <b>React TypeScript</b> for over 1000+ users</li><li>Collaborated in a <b>Agile</b> team of 7 with designers and backend engineers</li></ul>  |   |   |

## Projects

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| <b>Path Maze Visualizer</b>  | <u><a href="#">Website</a></u>   <u><a href="#">GitHub</a></u>   Summer 2020 |
| <ul style="list-style-type: none"><li>Built <b>React</b> application to visualize different pathfinding and maze generation algorithms</li><li>Implemented 10 different algorithms, including <b>Dijkstra</b>, A* Search, Kruskal, Prim, etc.</li><li>Utilized in a class of <b>100+</b> to help learn and build intuition on algorithms</li></ul>                     |  |
| <b>Todo List</b>   | <u><a href="#">Website</a></u>   <u><a href="#">GitHub</a></u>   Spring 2020 |
| <ul style="list-style-type: none"><li>Built <b>full stack</b> web app for storing and managing todos with user authentication and a <b>RESTful</b> Todo API</li><li>Used <b>React</b> on the frontend with an emphasis on <b>Material Design</b> (Material-UI)</li><li>Used <b>Node.js / Express</b> for API requests and <b>MongoDB</b> for persisting data</li></ul> |  |
| <b>Generals.io Bot</b>   | <u><a href="#">GitHub</a></u>   Summer 2020                                  |
| <ul style="list-style-type: none"><li>Built <b>Node.js</b> bot to play Generals.io, a fast-paced multiplayer strategy game</li><li>Became the <b>number one</b> ranked bot in the 2020 season in 3 weeks</li></ul>   |  |

## Education

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| <b>University of California, San Diego</b>   | La Jolla, CA | Sep 2019 - Expected Jun 2023 |
| <ul style="list-style-type: none"><li>B.S. in Computer Science, GPA: 3.9, Major GPA: 4.0, Tau Beta Pi</li><li>Relevant Coursework: Software Engineering, Advanced Data Structures, Design &amp; Analysis of Algorithms, Theory of Computation, Computer Organization &amp; Systems Programming</li></ul> |              |                              |

## Honors

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- National Merit Finalist
- Warren Honor Society
- National AP Scholar

## Technical Skills

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**Languages:** JavaScript/TypeScript (ES6) • Python • C/C++ • Java • HTML5/CSS3 • Bash • SQL  
**Tools / Frameworks:** AWS • Docker • Firebase • Git • React.js • Node.js • MongoDB • Qt • Linux