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**John Furlong**  
johnfurlong.io

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## Education

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<b>Boulder, CO</b>	<b>University of Colorado, Boulder</b>	<b>Aug 2016 – Dec 2020</b>
<ul style="list-style-type: none"><li>Bachelor's Degree in Computer Science</li></ul>		CS GPA: 3.42 / 4.0

## Employment

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<b>Software Engineer</b>	<b>Western Union – Denver, CO</b>	<b>July 2021 – Present</b>
<ul style="list-style-type: none"><li>Developed, implemented, and tested new stories for the core platform.</li><li>Regularly addressed production bugs and improvements in existing services using <b>React.js/TypeScript, Redux</b> and <b>Java</b> to utilize <b>CI/CD</b> pipelines and rapidly iterate.</li><li>Experience working with relational (<b>PostgreSQL</b>) and non-relational (<b>MongoDB</b>) database models.</li><li>Used <b>Splunk</b> and <b>Jest</b> to log metrics and perform test coverage.</li></ul>		

<b>Software Engineer</b>	<b>Phia Labs – Boulder, CO</b>	<b>Sept 2020 – Jan 2021</b>
<ul style="list-style-type: none"><li>Implemented administrative functionalities for a client, written in <b>PHP</b>.</li><li>Increased customer engagement, sales, and overall performance.</li><li>Worked closely with client to deliver sprints on time.</li></ul>		

<b>Server</b>	<b>Rosetta Hall – Boulder, CO</b>	<b>June 2019 – June 2021</b>
<ul style="list-style-type: none"><li>Worked 30 hours per week as a full-time student.</li><li>Required strong communication and multitasking in a fast-paced work environment.</li></ul>		

## Projects

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### Full Stack Portfolio App

<https://my-portfolio.io>

- Developed a full stack web application where users can host their portfolios.
- User interface created with **React.js**.
- Developed REST API with **Node.js/ Express** and **PostgreSQL**.
- Regular standups, sprints, retrospectives, and task elimination.

### Pathfinding Visualizer

<https://github.com/jfur1/pathfinding>

- Created a web application using **React.js** to visualize various pathfinding algorithms.
- Users can draw walls and run search algorithms like BFS, DFS, Dijkstra's.
- Regular standups, sprints, retrospectives, and task elimination.

## Technical Skills

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- Languages: C++, Python, JavaScript/HTML/CSS, SQL, Bash
- Frameworks: React.js, Node.js/Express.js, Redux, jQuery
- Tools: Git, Linux, Docker, AWS (RDS, DynamoDB), JIRA, CI/CD