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## JOHN WATKINS

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### EMPLOYMENT

Software Engineer Intern	RTS Labs (Richmond, Virginia)	June 2019 – August 2019
<ul style="list-style-type: none"><li>Used React with Typescript to create a web application that allowed employees to more precisely book their rooms. Created a visual layout of the various rooms and made multiple different views( i.e. mobile, desktop, one for the TV screens that were present in the conference rooms to show how long that meeting had left till the next one).</li><li>Also helped bolster the React testing framework for a major product they were creating for a client at the time.</li><li>Throughout all of this I was helping a teammate who was not as skilled in some more fundamental software engineering skills to understand what I was doing and how they can help.</li></ul>		
Database Support Intern	Norfolk Wire (Virginia Beach, Virginia)	June 2018 – August 2018
<ul style="list-style-type: none"><li>Created various SQL queries using MySQL in order to get different items like a seller's different suppliers or a query to find duplicate products in the database.</li><li>Also developed scripts using a keyboard scripting language in order to streamline some of the more tedious tasks employees had to do manually.</li></ul>		

### EDUCATION

Charlottesville, VA	University of Virginia	Fall 2016 – May 2020
<ul style="list-style-type: none"><li>B.S. in Computer Science, May 2020</li></ul>		

### PROJECTS

- Class Scribe** (August 2019 – May 2020):
  - Senior year thesis project where I helped create, with a team of the 3 others, a product, known as Lamp, that allows students to more seamlessly write notes.
  - Helped build out the backend written in Django using its REST framework library so it could communicate with both the Raspberry Pi(which allows the Lamp to take pictures of notes) and build out the frontend written in React.
  - Worked with team using agile in two week sprints, had weekly standup and code reviews to understand what we were doing for the spring and what he had accomplished the last sprint. Also used test driven development in order to develop the tests for the features I(and the team) developed.
  - Had to meet with a team of teacher assistants who reviewed our work for that sprint and also had to meet with a customer in order to explain what we had done and how were meeting their requirements for the product.
  - Check it out: <https://github.com/JWatkins20/classscribe>
- Ticker Zoo** (May 2020 – Present):
  - Personal project I am currently working on where I am using the Reddit API get all of the comments from a subreddit called WallStreetBets to find ticker mentions(like how many times \$AAPL was mentioned between 12:00 and 12:35 PM EST).
  - This ticker frequency data is then stored on a backend written in Django and displayed using React and Chart.js, a javascript data visualization library.
  - This project is hosted using AWS Elastic Beanstalk(for Django) and AWS Amplify(for React), and uses Amazon RDS for the database. It also uses Amazon EC2 instances for Chron jobs to regularly run python scripts that hit Reddit's API to gather comments from WallStreetBets.
  - Check out out: [https://github.com/JWatkins20/ticker\\_zoo](https://github.com/JWatkins20/ticker_zoo)