

Ariel Ahdoot

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EDUCATION

Bachelor of Science in Computer Science, Minor in Mathematics, Rutgers University, GPA: 3.5
Coursework: Algorithms, Artificial Intelligence, Data Structures, Database Systems, Discrete Structures, Distributed Systems, Formal Lang and Automata Theory, Internet Technology, Linear Optimization, Operating Systems Design, Principles of Programming Languages, Probability Theory, Systems Programming
Awards and Scholarships: Scarlet Scholarship, Phi Beta Kappa Honor Society, University Honors

May 2017

SKILLS

Proficient: JavaScript, Java, Node.js, Express, React, Redux, Sequelize, HTML, CSS, Git/GitHub
Knowledgeable: C, SQL, PostgreSQL, Socket.io, Heroku, Linux, OOP, REST
Familiar: Python, Ruby, Webpack, AWS, MySQL, OAuth, Passport.js
Tools: Travis, TDD (Mocha, Chai, Jasmine, JUnit), Visual Studio Code, Eclipse, MySQL-Workbench

PROJECTS

Timey, Team Capstone Project - *Fullstack Developer*

- Project task board with enhanced features including ticket timers, auto generated timesheets, and graphical data representations of a user's time allocation.
- Implemented sockets and drag and drop functionality so that users on the same projects will be able to update and see updates to tickets (adding, removing, editing, dragging and dropping) in real time.
- Technologies: **Node.js, Express, React, Redux, PostgreSQL, Sequelize, Socket.io, D3.js, reactstrap, OAuth, Heroku**
- GitHub: <https://github.com/green-echo/timetracker>

Grace Shredder, Team Project - *Fullstack Developer*

- A full stack, JavaScript e-commerce site for instruments. Can handle both logged in and guest users, manage their carts, and allow them to check out via Stripe. Keeps records of users, products, and past orders via database.
- Implemented the shopping cart and functionality to merge guest cart and user cart upon login.
- Technologies: **Node.js, Express, React, Redux, PostgreSQL, Sequelize, OAuth, Passport, Stripe, React-Bootstrap, Heroku**
- GitHub: <https://github.com/copperfinch-gsh/grace-shopper>

IllumiNation, Academic Project - *Software Developer*

- With a partner, implemented a Java web application where a user can input one or more states and one or more external variables (income level, unemployment rate, etc.) and receive single state information or state-by-state comparisons regarding gun control/gun violence for each state.
- Technologies: **Java, HTML, SQL, MySQL-Workbench, JavaServerPages, Eclipse, Amazon EC2/RDS**
- GitHub: <https://github.com/AAAhdoot/IllumiNation>

EXPERIENCE

Software Engineering Teaching Fellow, *Fullstack Academy of Code*

May 2019 - Sept 2019

- Offered competitive fellowship to mentor 40+ immersive software engineering students
- Participate in teaching algorithms, whiteboard problem solving, and full stack data flow
- Conduct technical interviews of prospective students in JavaScript, Ruby, and Python, assessing programming and problem-solving skills
- Mentor and hold reviews for students on Express, Sequelize, React, Redux, and Node concepts
- Act as a mentor, project manager, and code reviewer for project teams of 3-4 students

Student Software Engineer, *Fullstack Academy of Code*

Feb 2019 - May 2019

- Gained proficiency in fullstack web development with specialization in Javascript, Node.js, Express, Sequelize, PostgreSQL, React, and Redux.

Instructor, *Mathnasium*

January 2018 - Feb 2019

- Taught mathematics to students of ages ranging from elementary to high school
- Collaborated with other instructors to teach individual students and groups of students effectively
- Broke down difficult mathematical concepts into understandable terms in order to communicate them to students
- Updated workout plans for each student