

# JAGNOOR GREWAL (NOOR)

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**Technology stack:** HTML, CSS/SCSS, Node.js, Express, React, Cypress, Firebase/Firestore, Socket.io, Agora, Webpack, Babel, Material-UI, Stripe, Gatsby

**PORTFOLIO** (A personal website showcasing my passion projects)

**GitHub:** <https://github.com/gjagnoor> **Live:** <https://bit.ly/3k7NVHG>

- **Aaria:** A recursive directory/file listing program that produces a depth indented listing of folders/files (Command line tool, Developer Tool)
- **Editor:** Created a versatile code editor that runs in the browser. Allows auto-indentation, intellisense, and in-browser execution of code (Developer Tool)
- **Chalk-Webpack:** Chalk clone but for the frontend. Plugin for webpack that allows colorful console.logs in the browser - resulting in an improved developer experience (Developer Tool)

## EXPERIENCE

**Fullstack Academy**, New York, NY (Web Development school)

**July 2020 - Present**

**Bootcamp Prep Instructor**

- Coach students in introductory software engineering principles (Javascript)
- Debug student code and identify error patterns to understand core development areas for students and provide 1:1 coaching to address gaps

**OutboxEDU**, New York, NY (E-learning platform)

**May 2020 - Present**

**Software Developer**

- Lead web development team using agile development techniques in building our core product - a learning management system that allows schools and teachers to teach in a 3D learning space (React, CSS/SCSS, Firebase/Firestore, Express, Unity, Webpack, Babel, Socket.io, Material-UI, Stripe, PDFTron)
- Implemented 80 features in one month and a half. Solved 100% bugs reported by users and developed 100% features requested
- TDD and QA: Implemented end-to-end testing and automated 70+ test cases for our core platform (Cypress)
- CI/CD: Deployed web application to AWS Elastic Beanstalk, and configured SSL and HTTPS (Elastic Beanstalk, Amazon Route 53, Codepipeline)
- Payments: Built a payments platform that allows users to pay for products lifetime or weekly, ask for refund, file disputes, and receive payouts (Stripe API)
- Built a pdf management system that allows saving annotated documents to db in real time (React, PDFTRON, SCSS, Firebase/Firestore, Material-UI)
- Built an events calendar which allows students to view their upcoming assignments and deadlines (React-big-calendar, Material-UI)
- Communication: Built a video chat system that lets students and teachers communicate in real time (React, Agora, SCSS, Socket.io, Material-UI)

**On leave due to a family emergency**

**Aug 2018 - May 2020**

**Codecademy**, New York, NY (E-learning platform with over 45 million learners)

**Curriculum Developer**

**May 2018 - Aug 2018**

- Developed course work and projects for the data science team. Got excellent feedback
- Provided technical support by fixing bugs
- Assisted with hiring developers for curriculum's data science and web development team

**Grace Hopper Program at Fullstack Academy of Code**, New York, NY (Web development school for women)

**Teaching Fellow & Software Engineering Intern**

**Jan 2018 - Apr 2018**

- Coached 30+ women engineering students by serving as project manager, technical mentor, and code reviewer
- Created content and launched review lectures on engineering principles, HTTP, routing, raw drivers, ORMs, React, and Redux. Based on excellent student response, similar review lectures were initiated by peers
- Improved web application efficiency by consolidating disparate information and streamlining backend notification system (MEAN stack)
- Served as 1:1 coach for 5 students, that included 2 students who received highest class rank (out of class of 30 students), and 1 hackathon award winner

**University of California – Berkeley**, Berkeley, CA

**Undergraduate Researcher (Computational Toxicology)**

**Aug 2017 - Dec 2017**

**Undergraduate Research Apprentice (Computational Biology)**

**Sep 2015 - Oct 2016**

- Analyzed molecular structure of drug Lofexidine to identify structural changes that could minimize side effects
- Assisted in developing predator-prey web model using Lotka Volterra differential equation to visualize effects of chemical toxicity
- Aided in designing Eulerian and box model to visualize the relationship between clean fuel and pediatric pneumonia incidences

## EDUCATION

**Fullstack Academy of Code**, New York, NY

**May 2017 - Sep 2017**

**Web Development** (13 weeks, 1000+ hours)

- Graduated near the top of the class. Selected to be teaching fellow
- Completed courses on algorithms, data structures, frontend/backend technologies, and database design/management

**University of California – Berkeley**, Berkeley, CA

**July 2015 - Dec 2017**

**Bachelor of Science in Nutrition Science: Toxicology, Bachelor of Arts in Molecular and Cell Biology: Developmental Genetics**

- Earned Cal Leadership Award given annually to students for leadership in community projects