GREG CARLIN

gregory_carlin@brown.edu • (914) 325-3213 • http://gregcarl.in

EDUCATION

Sc.B. Computer Science and Economics, Brown University, GPA: 3.92 / 4.0   Sep 2015 — May 2019
Courses: Design and Analysis of Algorithms   Computer Systems   Artificial Intelligence   Machine Learning   Deep Learning

EMPLOYMENT

Facebook   *Software Development Intern*   May 2018 — Aug 2018
- Backend infrastructure intern on the warehouse data insights team   Cambridge, MA
- Developed a service to store and expose data warehouse dependency information in a graph database
- Optimized service until it was capable of ingesting over half a billion records in about an hour
- Service enabled flexible and efficient querying of dependency data by interested users such as data scientists

Technology used: Java Python SQL Bash Presto Hive Neo4j Cypher

Brown University   *Teaching Assistant*   Sep 2016 — Present
- Teaching assistant for Accelerated Introduction to Computer Science (Fall 2016),   Providence, RI Introduction to Software Engineering (Spring 2017), and Artificial Intelligence (Fall 2017, 2018)
- Head teaching assistant for Artificial Intelligence: lead 15 other students in updating and running the course
- Created and updated assignments for classes with a cumulative 385 students
- Guided and mentored students through these assignments on a weekly basis

Technology used: Pyret Java Python

Education First   *Software Development Intern*   May 2017 — Jul 2017
- Solved bugs and built features in the internal CRM used by over 500 salespeople   Cambridge, MA
- Built an administration tool from scratch to manage the types of available tour customizations
- Independently built an auditor to draw insights into the customizations customers requested

Technology used: C# ASP.NET HTML React.js JavaScript RabbitMq

State of Rhode Island   *Technical Intern*   Feb 2016 — May 2016
- Web development intern for Rhode Island's Office of Digital Excellence   Providence, RI
- Sole developer of GetOutdoorsRI, a website that encourages Rhode Islanders to explore local parks
- Project commissioned by the Rhode Island governor
- Built on a Drupal site originally developed by the state of Missouri

Technology used: HTML Drupal PHP

SchoolBee   *Software Developer*   May 2015 — Sep 2015
- Third software developer for a startup focused on digitizing the K-12 experience   Rye, NY
- Solved bugs and built features in SchoolBee's web directory software, which is used by over 3700 students and their families
- Developed an automated view system to improve the speed of reads from a Mongo database

Technology used: HTML Angular.js Node.js MongoDB

PROJECTS

airDrive   Jun 2016 — Aug 2016
- Independently built proof-of-concept cloud storage website that combined the usability of Dropbox with the security of file sharding and end-to-end encryption
- Files were sharded across a network of users' machines using Storj
- Participated in Breakthrough-Lab, a summer entrepreneurship program at Brown University

Technology used: HTML JavaScript Node.js MySQL Storj

jGrader   Sep 2014 — Apr 2017
- Led a small team in building a website that enabled high school teachers to virtually collect, execute, and grade computer science assignments written in Java
- Created system capable of securely executing student code in browser with features such as File IO
- Was used by hundreds of teachers and thousands of students with virtually no marketing

Technology used: HTML JavaScript Node.js MySQL Java

HONORS AND AWARDS

Eagle Scout: Led volunteers in mapping several local cemeteries; only awarded to 5% of Boy Scouts   Jun 2016