

GREG CARLIN

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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
Cambridge, MA

- Backend infrastructure intern on the warehouse data insights team
 - 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), 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
 - 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
 - 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
 - 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