

# GREG CARLIN

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## EDUCATION

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*Sc.B. Computer Science and Economics*, Brown University, GPA: 3.93 / 4.0 Sep 2015 — May 2019  
Courses: [Design and Analysis of Algorithms](#) [The Entrepreneurial Process](#) [Computer Systems](#) [Artificial Intelligence](#)

## EMPLOYMENT

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*Software Development Intern*, Education First May 2017 — Jul 2017  
[C#](#) [ASP.NET](#) [HTML](#) [React.js](#) [JavaScript](#) [RabbitMQ](#)

Software development intern on the tour purchase team at Education First

- 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

*Teaching Assistant*, Brown University Sep 2016 — Present  
[Pyret](#) [Java](#) [Python](#)

Teaching assistant for Accelerated Introduction to Computer Science (Fall 2016), Introduction to Software Engineering (Spring 2017), and Artificial Intelligence (Fall 2017)

- Created and updated assignments for classes with a cumulative 281 students
- Guided and mentored students through these assignments on a weekly basis

*Technical Intern*, State of Rhode Island Feb 2016 — May 2016  
[HTML](#) [Drupal](#) [PHP](#)

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

*Software Developer*, SchoolBee May 2015 — Sep 2015  
[HTML](#) [Angular.js](#) [Node.js](#) [MongoDB](#)

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

## PROJECTS

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*Developer*, airDrive Jun 2016 — Aug 2016  
[HTML](#) [JavaScript](#) [Node.js](#) [MySQL](#) [Storj](#)

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

*Developer*, jGrader Sep 2014 — Apr 2017  
[HTML](#) [JavaScript](#) [Node.js](#) [MySQL](#) [Java](#)

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

*Developer*, ProcessWatch Dec 2014 — Oct 2015  
[HTML](#) [JavaScript](#) [Node.js](#) [MongoDB](#)

Co-developed process.watch, a website that assisted cloud service providers in monitoring server statuses through email-based notifications

- Aggregated emails sent out by regular backup services into a single dashboard
- Sold stake to local cloud service provider

## HONORS AND AWARDS

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*Eagle Scout*: Led volunteers in mapping several local cemeteries; only awarded to 5% of Boy Scouts Jun 2016  
*Intel STS Semifinalist*: Researched object oriented databases; only 300 of 1800 students recognized Jan 2015