

# Gregory Carlin

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<http://gregcarlin>

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## EDUCATION

### BROWN UNIVERSITY

#### BS IN COMPUTER SCIENCE

May 2019 (Anticipated) | Providence, RI

GPA: 4.0 / 4.0

#### SELECTED COURSEWORK

User Interface Design

The Entrepreneurial Process

Software Engineering

Design and Analysis of Algorithms

Computer Systems

### BYRAM HILLS HIGH SCHOOL

Grad. May 2015 | Armonk, NY

#### AWARDS

Eagle Scout

Intel Science Talent Search

Semifinalist

Abe Shahim Research Award

Acorda Scientific Excellence Award

## LINKS

Github:// [gregthegeek](#)

LinkedIn:// [gcarlin](#)

## SKILLS

### PROGRAMMING

Expert:

Java • CSS • Javascript

HTML

Proficient:

Python • SQL • PHP

Familiar:

Shell • iOS •  $\LaTeX$  • C • Pyret

Drupal • Assembly

### BROWN UNIVERSITY | TEACHING ASSISTANT

Sep 2016 - Dec 2016 | Providence, RI

- Teaching assistant for *Accelerated Introduction to Computer Science*.
- Graded weekly Pyret assignments for class of around 60 students.
- Guided students through labs and homeworks during weekly office hours.

### AIRDRIVE | SOFTWARE DEVELOPER, CO-FOUNDER

Jun 2016 - Jul 2016 | Providence, RI

- Built a proof-of-concept cloud storage website that combined the ease of Dropbox with the security of end-to-end encryption.
- Participated in Breakthrough-Lab, a summer entrepreneurship program at Brown University.
- Used Nodejs, MySQL, and Storj, a peer-to-peer storage network that provides cheaper costs and extra security.

### STATE OF RHODE ISLAND | TECHNICAL INTERN

Feb 2016 - May 2016 | Providence, RI

- Sole developer of GetOutdoorsRI - a website encouraging Rhode Islanders to explore local parks and commissioned by the governor's office.
- Fixed, adapted, and modified Missouri's similar website (100 Missouri Miles), built on Drupal.

### SCHOOLBEE | SOFTWARE DEVELOPER

May 2015 - Sep 2015 | Rye, NY

- One of two developers that worked on SchoolBee's K-12 directory software, which is used by school districts throughout Westchester County.
- Developed an automated view system in Nodejs to improve the speeds of reads from the MongoDB database.
- Web-based platform is used by thousands of K-12 students and their families.

### JGRADER | SOFTWARE DEVELOPER, PROJECT LEAD

Sep 2014 - Jun 2015 | Armonk, NY

- Built jGrader.com - a Nodejs website with a MySQL database that enables high school computer science teachers to accept Java assignments online.
- No longer actively developed, but still has hundreds of active users.

### PROCESSWATCH | SOFTWARE DEVELOPER

Dec 2014 - Sep 2015 | Armonk, NY

- Co-developed Process.watch - a Nodejs website with a MongoDB database that assisted cloud service providers in managing email-based server notifications.
- Sold stake to local cloud service provider.

### VIRTUAL TRUSTEE, LLC | SOFTWARE DEVELOPER

Jun 2014 - Sep 2015 | Bedford Hills, NY

- Sole developer of MyTrustCo - a website that educates individuals on how to manage trusts.
- Organized as a freelance project by a local couple.
- Built initial site from scratch on PHP and MySQL, later rebuilt on top of Drupal.

### RESEARCH | OBJECT-ORIENTED DATABASE MANAGEMENT SYSTEMS

Jan 2013 - May 2015 | Armonk, NY

- Developed a query cost model for the weakly dependent subquery optimization of the Stack-Based Query Language.
- Selected as one of 300 semifinalists in the Intel Science Talent Search, and one of 6 to be presented at Facebook's Manhattan office, among other awards.