Carl Schriever

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY **Atlanta, GA**
Candidate for Bachelor of Computer Science (May 2020) *August 2016 - Present*
- Concentration: Intelligence, Information Networks
- GPA: 3.95

EXPERIENCE

Salesforce **Atlanta, GA**
Software Engineering Intern *May 2018 – August 2018*
- Worked as part of an Agile team where I created features, fixed security bugs, performed code reviews, tested other developers' features, and participated in organization-wide testing blitzes.
- Planned and wrote documentation on how to implement features for upcoming pilot in a way that protected users' assets and allowed participants to use the new features without disrupting their normal workflows.
- Identified UI and security issues with primary email table: fixed db queries that caused filters on table to show incorrect data, secured unprotected batch actions performed on table, and created unit testing framework that could be used for the batch actions on all tables.

Georgia Institute of Technology **Atlanta, GA**
Senior Teacher's Assistant *January 2017 – Present*
- Instructed weekly recitation of fifty students, covering introductory Java and OOP topics.
- Managed homework team, ensuring the quality of assignments and that homework was delivered to students on time.
- Held weekly office hours to give students additional help.
- Worked together with co-ta to create lesson plan, example problems, and homework.

PROJECTS

Nova *September 2017 – Present*
- Designed online teaching platform for students to learn Java, currently hosted on Georgia Tech servers.
- Created challenges for students to solve that follow along with an introductory course.
- Safely ran student submitted code in Docker container.
- Created Java testing framework that can be used to test solutions for accuracy and for good design.
- Collected data to be used for technology in education research.

Population Visualization Project *April 2018 – May 2018*
- Created tool for visualizing the change in population of the United States over time using Node.js and D3.js.
- Designed choropleth map with filters for various demographics (age, race, sex, where residents moved from, etc).
- Made data cleaner that read in poorly formatted CSV with missing entries and populated a MongoDB instance.

Google Home Visual Response *August 2016 – September 2017*
- Created method for serving visual results to questions asked of a Google Home using Node.js and MongoDB.
- Provided visual results for weather, to-do list, cheat sheets, calendar, agenda, and time.
- Gave users the ability to send results from different queries to different devices.

Personal Website *August 2016 – Present*
- Created portfolio website with responsive pages that use bootstrap and media queries.
- Used Webpack, lazy loading, and google audits to improve load time over slow connections.

ER Scheduler *August 2016 – May 2017*
- Designed a PHP web app that can create Emergency Room staff work schedules automatically.

Neural Network Evolution *May 2015 – July 2015*
- Programmed Java application that created Neural Networks by simulating genetic evolution.
- Each epoch, networks that performed well were bread, mixing together elements of each of their structures, and then randomly mutated.

Darlington School App *August 2015 – May 2016*
- Made cross-platform app for a highschool that displayed student information (grades, assignments, announcements, etc).

SKILLS

Languages: Java, JavaScript, PHP, HTML/CSS, SQL, Python, Sass, C, Objective C, Pug, and EJS.
Tools: Git, Docker, Node.js, React, Webpack, Grunt, MongoDB, Bootstrap, JQuery, Pandas, Selenium WebDriver, JUnit, Xcode, Android Studio, IntelliJ, PhpStorm

ACTIVITIES

- **Georgia Tech Marching Band and Pep Band** (Member) *August 2016 – Present*
- **Georgia Tech Trail Blazers** (Executive board: web master) *May 2017 – Present*
  Trail Blazers is an outdoor service organization.