

Carl Schriever

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carlschriever.com

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Candidate for Bachelor of Computer Science (May 2020)

Atlanta, GA

August 2016 – Present

- Concentration: Intelligence, Information Networks
- GPA: 3.9/4.0

EXPERIENCE

College of Computing at Georgia Tech

Atlanta, GA

Teacher's Assistant (CS 1331)

January 2017 – Present

- Instructed weekly recitation of fifty students covering introductory java topics. Graded exams and homework.
- Held weekly office hours to give students additional help.
- Worked together with co-ta to create lesson plan and example problems.
- Created JavaFX homework for students to complete, designed instructions and grading guide.

Camp Laney

Mentone, AL

Ropes Course Team Member and Cabin Supervisor

May 2016 – August 2017

- Ensured safety of participants during ropes course, climbing wall, bouldering wall, and mountain biking activities.
- Improved on the system in place of equipment preservation. Supervised cabin of campers during rest times and at night.

PERSONAL PROJECTS

Google Home Visual Response

August 2016 – Present

- Created method for serving visual results from Google Home.
- Made RESTful API using Node.js and MongoDB hosted on Digital Ocean. Used API.ai training for Google Home.
- Visual results provided for weather, todo list, cheat sheets, calendar, agenda, and time.
- Ability to send results from different queries to different devices.

Personal Website

August 2016 – Present

- Created website to display personal information and to act as a portfolio.
- Used webpack, lazy loading, and google audits to improve load time. (≈ 1.5 seconds to load on 3G speeds)
- Made pages dynamic with sass media queries, and bootstrap. Encapsulated html elements using templating engine.

ER Scheduler

August 2016 – May 2017

- Designed a php web app that can create Emergency Room schedules automatically based on the preferences of employees and past schedules, a task normally considered tedious and time consuming.
- Surveyed local Emergency Room for the required features such an app would need. Demo hosted on Digital Ocean LAMP server.

Darlington School App

August 2015 – May 2016

- Made cross-platform app for high school that displayed basic student information (e.g. grades, assignments, announcements).
- Used PhoneGap and HTML/CSS to create UI and JavaScript for backend logic.
- Worked with IT staff to gain access to high school's database.

Neural Network Evolution

May 2015 – July 2015

- Programmed java application that created Neural Networks by simulating genetic evolution (NEAT algorithm).
- Networks were selected based on their ability to complete a task and then "bred" to make new networks.

DeSchApps Website

August 2014 – April 2015

- Programmed support website for apps I made that includes a CMS for adding new apps and a feedback form.
- Website was created with php and hosted on HostGator.

Homework Help App

June 2014 – January 2015

- Designed ios app using Sprite Kit and support website that provided students a digital alternative to normal scrap paper and calculator on iPad.
- Collaborated with Graphic design artist. Deployed on App Store and won a congressional STEM competition.

SKILLS

Computer Languages: Fluent with Java, JavaScript, HTML/CSS, Sass, and Objective C.

Familiar with PHP, SQL, Kotlin, Swift, C, and VPython.

Tools:

Git, Node.js, Webpack, MongoDB, ejs, jQuery, Bootstrap, Xcode, Android Studio, JavaFX, Microsoft Office, and Adobe Photoshop.

Relevant Knowledge: Data structures and algorithms, Linear algebra, Multi-variable calculus, Basic counting and probability, MVC design, OOP, Full stack development, Dynamic webpage creation.

ACTIVITIES

Georgia Tech Marching Band and Pep Band (Member)

August 2016 – Present

Georgia Tech Trail Blazers (Executive board: web master) – outdoor service organization

May 2017 – Present