

# David Seeler

<https://davidseeler.dev>

## EDUCATION

**University of Georgia**, Franklin College of Arts & Sciences, *Athens, GA*  
*Bachelor of Science in Computer Science*

Anticipated Graduation May 2021

- Overall GPA: 3.72/4.00

## RELEVANT COURSEWORK

- Software Development
- Systems Programming
- Discrete Mathematics
- Theory of Computation
- Statistical Methods
- Data Structures
- Computer Architecture & Organization
- Database Management
- Computer Networks
- Web Development
- Cloud Computing
- Software Engineering

## TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++, JavaScript, PHP, MIPS Assembly
- **Frameworks and Technologies:** Node.js, jQuery, Spring Boot, Django, SQL, HTML, CSS
- **Operating Systems:** Windows, MacOS, Linux/UNIX
- **Software:** Git, AWS, Heroku, Maven

## PROJECTS (See [gallery](#) for additional)

### RuneLite plugin – “Bank XP Value” (5k active installs)

Dec 2020 – Jan 2021

- Developed an external plugin for the popular open-source RuneScape client, *RuneLite*
- Self-taught RL’s intricate codebase and adapted to its reuse-oriented development environment
- Utilized Google Guice to support dependency injection
- Became proficient in managing “real” software using the GitHub Flow

### Trivia Racer

Nov 2020 – Dec 2020

- Online trivia game featuring thousands of questions provided by Open Trivia Database API
- Real-time, socket-based control flow enables complex logic interactions between server and clients
- Robust Node.js backend capable of supporting a vast number of users playing concurrently
- Deployed to Heroku under an SSL certified custom domain (triviaracer.me)

### Grocery eCommerce Web Application

Oct 2020 – Dec 2020

- Dynamic web application emulating a fully functional eCommerce platform
- Utilizes a MySQL database to store encrypted user information and product data
- PHP backend manages individual user sessions and cookies
- Chosen to be an example for future classes by request of the professor

### Video Game Encyclopedia

Jul 2020 – Aug 2020

- Collaborated with a team and was responsible for the backend and database
- Backend retrieves, processes, and inserts game data into a BCNF-normalized MySQL database (via JDBC)
- Manually developed a multi-threaded Java web server and REST API to deliver serialized game data to client

## CAMPUS INVOLVEMENT

### UGAHacks 6

Feb 2021 – Feb 2021

- First-ever solo hacker to win 1<sup>st</sup> place Best Overall in UGA Hacks history
- Built a virtual-learning tool that interactively facilitates group reading

### Theta Chi Fraternity, Delta Beta Chapter

Aug 2018 – Aug 2020

- Participated and assisted with philanthropy events benefiting the Athens Humane Society and other organizations
- Engaged in networking events with alumni further enhancing my interpersonal communication skills

## VOLUNTEER EXPERIENCE

### Camp Twin Lakes

Jan 2021 – Present

- Developing a GUI app that automates the processing and insertion of lengthy .csv files into Azure SQL database
- Digitalizing maintenance work order flow by creating QR codes that redirect to a form to be emailed to the office
- Creating D2L modules and tutorial videos that guide campers and volunteers through the virtual process