

# David Seeler

<https://davidseeler.dev>

## OBJECTIVE

Seeking software engineering entry-level position beginning Summer 2021

## EDUCATION

**University of Georgia**, Franklin College of Arts & Sciences (2018 – Present)

Athens, GA

**Kennesaw State University**, College of Science and Mathematics (2016 – 2018)

Kennesaw, 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 (Spring 2021)
- Software Engineering (Spring 2021)

## TECHNICAL SKILLS

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

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

### RuneLite plugin – “Bank XP Value” (4k active installs)

- 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 (PRs, reviews, issues, etc.)

### Trivia Racer

- 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)

### Video Game Encyclopedia

- Retrieves JSON metadata for thousands of games using RAWG.io API
- Processes and inserts cleaned data into a BCNF-normalized MySQL database (accessed via JDBC)
- Frontend client makes HTTP requests to multi-threaded backend web server to query database

### Grocery eCommerce Web Application

- 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
- Professor requested to use this project as an example for future classes

## CAMPUS INVOLVEMENT

### UGA Hacks

Athens, GA

- Collaborated with a team to develop complex applications in a short period of time
- Became comfortable presenting and demonstrating software to an audience

### Fraternity, Chapter

Athens, GA

- 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