David Seeler

https://davidseeler.dev

EDUCATION

University of Georgia, Franklin College of Arts & Sciences, *Athens, GA*   Anticipated Graduation May 2021
Bachelor of Science in Computer Science
- 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" (4.5k 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 created a multi-threaded Java web server and REST API to deliver serialized game data to client

CAMPUS INVOLVEMENT

UGA Hacks   Feb 2020, Feb 2021
- Collaborated with a team to develop complex applications in a short period of time
- Became comfortable presenting and demonstrating software to an audience

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