Nicholas Worthington

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EDUCATION

Georgia Institute of Technology, College of Computing   **Atlanta, Georgia**
Bachelor of Science in Computer Science   *May 2020*
- Threads: People and Intelligence   **GPA: 3.73**

EXPERIENCE

LexisNexis Risk Solutions   **Alpharetta, Georgia**
Software Engineer Intern   *May – August 2018*
- Worked on the Rules Framework platform, a SOAP web-service that handles 2 million daily orders
- Developed acceptance tests using Java, Cucumber, and Karate, parsing XML and JSON requests and responses
- Introduced Continuous Integration (CI) to the system to automatically run acceptance tests when new code is pushed
- Collected and displayed time-series data on the CI pipeline using ElasticSearch, Kibana, and Timelion

Georgia Tech College of Computing   **Atlanta, Georgia**
Undergraduate Teaching Assistant (TA) – CS 1332 Data Structures and Algorithms   *January 2018 – Present*
- Taught weekly recitations to a 50-student class and held office hours for the data structures and algorithms course
- Graded and provided feedback on homework assignments and exams in Java
- Wrote comprehensive JUnit tests to assess homework correctness
- Selected to one of 11 open TA positions from a pool of over 100 applicants

PROJECTS

Rush Chair Assistant - 1-person project   **August 2018**
- Application developed for use alongside the Kappa Sigma formal recruitment period
- Stored information about and tracked attendance of all Potential New Members (PNMs) that attended
- Used React.js for User Interface and MongoDB for storing data about the PNMs

Fil(Twit)ter - 1-person project   **June 2018**
- Web application for showing statistics about the user's most popular tweets
- Allows the user to sort and filter the tweets by number of likes, retweets, and date
- Implemented using Node.js, Socket.io and Twitter API

QuikType - 1-person project   **April 2018**
- Tool developed in p5.js for increasing typing speed via a 60-second typing test
- Displays statistics about the user's typing speed upon completion: words per minute, accuracy, total correct words

Classic Snake Game - 1-person project – CS 2110   **March 2018**
- Fully functioning version of the Snake video game implemented in C, playable on the Gameboy Advance Emulator
- Optimized object movement and growth, collision tracking, and image display using DMA

TECHNICAL SKILLS

PROGRAMMING LANGUAGES   **OTHERS**
Java, JavaScript, Python, C, HTML/CSS   Git, Node.js, React.js, Socket.io, p5.js, jQuery,
                                               Android Studio, IntelliJ, Cucumber for Java

LEADERSHIP / INVOLVEMENTS

FASET (Georgia Tech Orientation) Leader   **March – September 2018**
- Organized, planned, and executed orientation activities for 3,000 incoming students and their families
- Spent over 200 hours educating students & families about academics, campus safety and resources, extra curriculars, etc.

Kappa Sigma Fraternity   **September 2017 - Present**
Rush Chairman (VP of Recruitment)
- Planned and coordinated all things related to new member recruitment for the Spring and Fall 2018 semesters
- Enforced a weekly event structure to maximize chapter's potential for success in recruitment

For The Kids (FTK) at Georgia Tech – Recruitment Committee   **September 2017 - Present**