Cole A. Bowers

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EDUCATION:

Georgia Institute of Technology, Atlanta, GA   **August 2015 – Present**
Candidate for Bachelor of Science in Computer Science   Expected Graduation: December 2018
- Threads: Information Internetworks, Intelligence
- GPA: 4.0/4.0
- Semester Study Abroad in Barcelona, Spain   **May 2016 – July 2016**

SKILLS:

Languages: Java, Python, JavaScript, C, C#, SQL, HTML, CSS
Technologies: MySQL, Flask, Heroku, Android, AWS, Selenium

WORK EXPERIENCE:

Georgia Institute of Technology – School of Interactive Computing   **January 2017 – Present**
Undergraduate Research Assistant – Contextualized Support for Learning Lab
- Enhanced the Runestone open source eBook platform to be compatible with the Georgia Tech Media Computation Lab used to teach students computer science through picture manipulation and animation.
- Contributed supplemental file support by using HTTP protocols to place files and images on a remote server.
- Improved adaptive Parsons Problems to scale in difficulty with student skill level.

Microsoft – Office Product Group – Intentional Software Division   **May 2017 – August 2017**
Intern Software Analyst and Developer
- Improved performance, interaction, and visuals for the PipeViewer development tool used on the Intentional Platform.
- Created different data representations for differing levels of detail and crafted a more intuitive visual design for the Hit Test Item (Event Listener) Graph.
- Improved information searching and filtering, saving developers time when exploring complex mappings.

Georgia Institute of Technology   **August 2016 – Present**
Resident Assistant
- Facilitate the sense of community while promoting and supporting the health and safety of residents.
- Develop individual relationships with residents and foster intentional learning and development among them.
- Develop and demonstrate ethical leadership and professional skills.

PROJECTS:

Alexa Skill – MyFixIt – Junior Design Project   **January 2017 – Present**
- Acts as an assistant to read instructions and give needed information to a user who is repairing an object.
- Worked alongside a client to manage the project from ideation to completion based on Agile principles.

Anti-Harassment GroupMe Chat Bot – Hackathon Project   **September 2016**
- A bot built in Node.js and run on Heroku that implements the GroupMe API to monitor for profanity and harassment in a group chat and notify the responsible party.
- Utilizes Microsoft Azure for sentiment analysis on all messages and Plotly to track statistics on the conversation.

GT Travel   **June 2016 – July 2016**
- Flask web application backed with a MySQL database that enables users to make reviews of locations and events.

Movie Selector   **January 2016 – May 2016**
- Android app and accompanying website enabling users to search for and rate movies to get recommendations.

Instagram Search   **October 2015**
- Python program, written for the Capital One coding challenge, that implemented the Instagram API to get statistics on the twenty most recent posts with the tag #capitalone.

LEADERSHIP AND CIVIC INVOLVEMENT:

Georgia Institute of Technology – Glenn Residence Hall Association   **August 2015 – May 2016**
Secretary
- Received the Secretary of the Year Award for outstanding performance.
- Organized events to build community, created meeting agendas, and recorded minutes for Hall Council.

Buckhead Church   **June 2013 – Present**
Small group leader for 3rd Grade

Boy Scouts of America - *Eagle Scout*   **December 2012**