Matthew R. McBrien

59 Baynard Park Road, Hilton Head Island, SC 29928 — mmcbrien3.gatech.edu — U.S. Citizen

OBJECTIVE

To join a productive, innovative team that will challenge me to design and create at the highest level.

EDUCATION

Georgia Institute of Technology

Bachelor of Science, Computer Engineering, December 2018

- G.P.A. 3.96/4.0
- NCAA Division I Track & Field

Georgia Institute of Technology

Candidate for Master of Science, Electrical and Computer Engineering, May 2020

- Graduate Teaching Assistant
  - Spring 2019: Dr. Conte's Advanced Computer Architecture
- NCAA Division I Track & Field

EXPERIENCE

Software Development Engineer Intern   Seattle, WA

Amazon Web Services   Summer 2018 & Summer 2019

- Upgraded internal AWS Lambda architecture to reduce latency for customers when creating new event source mappings for poll-based event sources.
- Created system for measuring customer-centric latency which showed a 91% drop in latency as a result of new architecture.
- Currently working on internal redesign to reduce customer overhead and cost.

Product Supply Engineer Intern   Cincinnati, OH

Procter & Gamble   Summer 2017

- Created a VB.NET program to export data from a large XML database to a human readable spreadsheet, resulting in increased efficiency when designing new products.
- Developed program to automate transfer of design information to line data, rolled out technology to three major manufacturing plants.
- Worked with engineers to plan new file management system for product designs and developed application to aid in updating of internal files.

SKILLS

Java
- *Classroom* and *Professional* experience.
- Designed internal AWS architecture.

Python
- *Classroom* and *Professional* experience.
- Designed internal tools at Procter & Gamble.

Others
- C, C++, MatLab, Raspberry Pi, Mbed, Unix.

INTERESTS

Running
- NCAA Division I Cross Country and Track & Field athlete for Georgia Tech.

Reading
- Recently completed *Infinite Jest*!

Game Design
- Designed games using GameMaker, PyGame, and Javascript.
- My first Javascript game is live on my website.