Robert **Pierce**

SOFTWARE ENGINEER

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Experience

CareerBuilder   *Norcross, Georgia*

SOFTWARE ENGINEERING INTERN   *January. 2016 - April 2016*

- Automated the team build process using CircleCI
- Integrated metrics using StatsD and Datadog into a dozen micro-services written in Go
- Constructed a micro-service written in Clojure to retrieve documents from AWS S3

Georgia Institute of Technology   *Atlanta, Georgia*

TEACHING ASSISTANT   *May 2015 - December 2015*

- Taught and planned recitations for about 50 students on a weekly basis
- My recitation achieved test scores approximately 2 points above the class average on every test

Huntington Learning Center   *Dunwoody, Georgia*

TUTOR   *April 2012 - September 2015*

- Helped prepare over 80 students for the SAT and ACT through one-on-one tutoring sessions
- Responsible for all tutor-student interactions including lesson plans, teaching, and motivating frustrated students

The Brand Banking Company   *Lawrenceville, Georgia*

BANKING OFFICER   *June 2006 - January 2008*

- Underwrote loans for large real estate and commercial deals totalling more than $75 million
- Presented loans to the loan committee for approval
- Worked in a group of three team members to develop a strategic plan for future branch locations
- Two of three proposed locations were developed into retail branches

Education

Georgia Institute of Technology   *Atlanta, Georgia*

BS IN COMPUTER SCIENCE   *August 2014 - PRESENT*

- GPA: 4.0

University of South Carolina   *Columbia, South Carolina*

MA IN ECONOMICS   *August 2008 - December 2012*

- Thesis: *Long-Term Effects of Birth Related Leave on Academic Achievement*

Georgia Southern University   *Statesboro, Georgia*

BBA IN FINANCE   *August 2002 - May 2006*

- Honors: *cum laude*

Projects

Bucket Keeper Micro-service

TSR CANDIDATE TEAM - CAREERBUILDER

- Designed and constructed a micro-service application in Clojure that accepts http requests for documents stored in AWS S3
- Deployed the application using Docker and CoreOS
- The service is currently assisting an applicant tracking system used by recruiters working for hundreds of business clients throughout the United States and Europe

Automated Build Process

TSR CANDIDATE TEAM - CAREERBUILDER

- Used the CircleCI integration tool to automate the team's manual build process
- Testing and linting are initiated when a repo push occurs
- Deployment using Docker and Quay.io is initiated when branches are merged to master
- Currently supports the team's Go and Clojure micro-services

MULE

PURPLE PLATYPUS TEAM - GEORGIA TECH

- Team project to recreate the 1983 Atari game simulating supply and demand economics
- Responsible for taking ideas generated by the group and turning them into working Java code
- Final product was voted the best user experience in our cohort

Dueling Tanks

- Class project to develop a dueling tank game using ARM's MBED micro-controller, a breadboard, accelerometers, and a micro LCD screen
- The project was developed in C++
- The multi-player mode connected two devices via Ethernet
- Received an A on the project

Elliptic Curve Cryptography Video

Number Theory and Cryptography

- Wrote and Produced a YouTube video explaining the theory behind the Elliptic Curve Diffie-Hellman Algorithm
- One of the most popular videos covering the subject on YouTube with almost 25,000 views
- Top video link returned from a Google search on the subject