

Ryan Geoffrey Thomas
2448 Pinewoods Circle Naples, Florida 34105
239-595-5555 | rgt13@my.fsu.edu
GitHub: www.github.com/rgt13

Education

Florida State University – BS Computer Engineering – May 2018

Core Programming Courses

- Introduction to C++ programming
- Object Oriented Programming in C++
- Operating Systems Analysis
- Computer Architecture
- Microcontrollers and Microprocessors
- Data Structures & Algorithms (C++ and C#)
- Video Game Design in Unity (C#)
- Internet Application Programming with Java
- Computer Network Design & Analysis

Code Language Proficiencies

- C / C++ / C# / Java / VHDL / Verilog / Javascript / HTML / Linux & UNIX operating systems
- Spring / Ruby / MySQL / Python / CSS / Docker / Jenkins / jQuery

Academic Projects

- Developed simple Unix shells (C)
- Developed C code in xv6 operating system
- Implemented abstract data types (C++)
- Prioritized/scheduled random processes (Unix & C)
- Fork parent and child processes (Linux)
- Designed simple 2D RPG platformer in Unity (C#)
- Developed final grade calculator (OO)
- Performed bit manipulation (Object Oriented C++)
- Created FPS in Unreal (C++)
- Created FSU themed Monopoly game (Java + FX)
- Manipulated hardware on physical microcontrollers (Input/Output logic & LED lights)

Extracurricular Projects

- Created “playground” webpages (Node.js)
- Created REST APIs (Flask & Python)
- Developed simple web pages in HTML
- Created various extensions in numerous web browsers
- Created blog site styled with Bootstrap
- Configured JSON files for permission in AWS
- Fetch data from mock Instagram DB (MySQL)
- Constructed example client/server environments (Java)
- Studied syntax/implementation of JSON variables in Java
- Formed predictions, Machine Learning models, regressions and analytics (Python, Tableau and SSIS)
- Attended Agile workshops, studied Scrum methodologies and the alignment of software solutions to achieve stated business objectives.

Professional Experience

DevOps Engineer Intern @ Arthrex, Inc., Naples, Florida - May – December 2018

- Utilized AWS services to maintain, monitor and update company products and applications (Surgical Outcome Systems, OrthoIllustrated, Arthrex.com).
- Facilitated/organized concurrent system workflows through CircleCI.
- Constructed billing alarms for observing data usage (SNS notifications upon reaching targeted thresholds).
- Received, processed and resolved service desk tickets through Jira (employee requests, GitHub permissions).
- Debugged/added features to Arthrex.com through Ruby, Coldfusion, Javascript and CSS.
- Developed competency in Agile Development through SOS CMS group collaboration.
- Shadowed company’s Cyber Security Department.

Solution Engineer Intern @ Fischer International Systems Corporation, Naples, Florida - Summer 2017

- Coded solutions for the provisioning of several accounts over numerous databases (Oracle, Google Apps, Identity System, etc.) for schools using the product developed by Fischer (FAMU, Baylor University, Frostburg State University, etc.).
- Documented previously existing solutions developed by the solution engineering team and those self-created (authored comments, outlined processes contained within workflows, published completed documents for senior infrastructure team).
- Directly supported customers from various institutions through tickets received from Axosoft kiosk; reported successive instances and guided clients through mechanics of self-created/designed technology solutions.

Florida State University – Northrop Grumman – Financial Manager & Lead Director for Synthetic Aperture Radar Research – 2017

- Supported Northrop Grumman representatives in efforts to enhance design of previously existing SAR imager.
- Facilitated representative meetings, consulted with professionals and balanced budget throughout the system's design.

Community Service / Leadership

- Theta Chi Fraternity – Gamma Rho Chapter
- “Cheers for Children” Philanthropy - Jimbo Fisher’s Kidz1st Fund
- Youth Leadership Collier Graduate – Naples Florida
- Von Leibig Summer Art Camp Counselor

August 2013 – May 2018

November 2013 - 2018

June 2013 – July 2013

Summer 2009 - Summer 2011

Personal Attributes

- Fluent in English and Spanish, thoughtful, creative and mechanically inclined.