

Education

Seminole State College

Associate's Degree, Physics Prereqs

January 2009 - December 2011

- Magna Cum Laude Honors
- Phi Theta Kappa Member

University of Central Florida

Bachelor's Degree in Computer Science

January 2012 - Present (December 2016 grad.)

- 3.5 GPA

Employment

Mobile Tech Support

Contracting Support Technician

October 2014 - Present

- Reassemble hardware components
- Train clients on new software

Convergys

Apple Tier 2 Account Security Advisor

May 2014 - September 2014

- Verify and modify accounts
- Train tier 1 advisors

Digital Risk

Data Capture Analyst

June 2013 - November 2013

- Sort and transcribe mortgage files
- Create efficiency applications using Visual Basic

Orlando Tutoring

Mathematics and Programming Tutor

January 2010 - June 2013

- Create practice exams and instructive material
- Prescribe study plans and track progress online

Lawn & Order Landscape Maintenance

Landscaper and Finance Associate

May 2007 - January 2010

- Track and bill clients using Quickbooks
- Manage a team of 3 landscapers

Projects

Hospital Ranker

R

Analyze large CSV of hospital data and create data frame with each hospital's name, state, and 30-day mortality rates for 3 different causes of death. The user chooses a cause of death and a ranking, and a data frame of the nth ranked hospital from each state is returned. The user can also choose to pull data for only a chosen state.

<https://github.com/deejai/R---Analyze-Hospital-Data>

Sort Demonstrator

C

Given an array of values, show the step-by-step sort process of the array for Bubble Sort, Merge Sort, Quick Sort, Insertion Sort, and Selection Sort. Each sort is labeled with its name and average run time scaling.

<https://github.com/deejai/C---Sort-Demonstrator>

Course Work

MIPS Processor Implementation

Computer Logic and Organization - C

Process input to feed commands through MIPS multiplexers into its ALU, memory, and registers.

AES Encryptor

Security in Computing - Java

Generate an AES encrypted message given a plaintext file, a 16-bit encryption key, and an initialization vector.

References

Terry Fornicola

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Lawn & Order (Owner)

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Michelle Procelle

407-310-0375

Orlando Tutoring (Client)

mp670914@gmail.com

Marvin Blackwood

407-771-8000

Convergys (Team Lead)

marvin.blackwood@gmail.com

Certifications

R Programming (Coursera Verified Certificate)

<https://www.coursera.org/account/accomplishments/certificate/MXD7NFTW87>