

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

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

AES Encryptor

Security in Computing

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)

tfornicola@gmail.com

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/deejai/accomplishments>