

Harrison Engoren

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EDUCATION

UNIVERSITY OF SOUTH CAROLINA, HONORS COLLEGE

Columbia, SC

B.S. Computer Science (3.93)

Expected Graduation: May 2019

- Recipient of the McNair Scholarship, a full tuition scholarship plus a stipend awarded to 20 incoming students for academic excellence and leadership
- Recipient of the Magellan Award, an award presented to fund an undergraduate research project
- Recipient of the Fain Scholarship, a monetary award given to Computer Science students interested in pursuing a career in entrepreneurship
- Relevant coursework: Algorithmic Design II (Java), Linux/Unix Fundamentals, Discrete Mathematics, Software Engineering (C++), Computer Architecture (C, some assembly), Programming Languages and Structures (Prolog, Haskell), Operating Systems, Data Structures and Algorithms
- Competed in the 2015 University of South Carolina Hackathon

EXPERIENCE

UNIVERSITY OF SOUTH CAROLINA

Columbia, SC

Research Assistant, Department of Mathematics

Spring 2017 - present

- Developed a code base to computationally test the bounds of cardinality of minimal fair Sudoku puzzles
- Worked with a team of Mathematics students to transform their ideas into code
- Synthesized existing results into a poster presentation and presented at USC's Discovery Day 2017

OAK RIDGE NATIONAL LABORATORY

Oak Ridge, TN

Undergraduate Research Intern, Nature Inspired Machine Learning Team

June 2017 – August 2017

- Built Caffe framework to experiment with Convolutional Neural Networks (CNNs)
- Researched optimal input tile size to segment a satellite image to detect and locate cloud coverage
- Tested three different neural nets, obtaining a maximum classification accuracy over 95%
- Wrote numerous Bash and Python scripts to automate testing, saving 5 hours of repetitive commands

BETA THETA PI EXECUTIVE BOARD MEMBER

Columbia, SC

Treasurer

Fall 2016 - present

- Managed an annual budget of over \$500,000
- Created semester budgets to allocate different funds to different intra-fraternal operations
- Collected dues from fraternity members
- Paid all fraternity bills and handled all fraternity charges

SEAWAY SUPPLY CO.

Maywood, IL

Summer Position

May 2014 – present

- Trained new employees to work with Microsoft Office, especially Word and Excel
- Increased sales of products by marketing on both the company website and Amazon
- Cleaned up warehouse physically and virtually by updating the systems and organizing products
- Created a webpage to advertise company's rental products and services

ADDITIONAL SKILLS

- Java (3), Python (2), Javascript (2), C++, Linux, Bash, Git, HTML, CSS
- Eclipse, vi, Sublime

PROJECTS

- Created a spending tracker app using Ionic Framework
- Developed a 'Clever' GroupMe Bot
- Implemented the RSA Encryption Algorithm