

Anthony Khoury

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EDUCATION

Bachelor of Science in Computer Engineering | Minor in Sales Engineering
University of Florida, Gainesville, FL

May 2022
GPA: 3.3/4.00

Coursework: Data Structures, Digital Logic, Databases, User Experience, Circuits, Signals and Systems, Computer Org

TECHNOLOGY SUMMARY

Proficient: Java, C++, JavaScript, PHP, SQL, HTML, CSS, MATLAB, GitHub, Test Driven/Agile Development

Intermediate: ReactJS, NodeJS, Python, Firebase, GCP, Relational Databases

Certifications: SolidWorks

PROFESSIONAL EXPERIENCE

Programming Instructor - iD Tech

May 2020 - Present

- Coordinated the instruction of foundational skills in Java, C++, and JavaScript for 16 diverse students
- Crafted 28 lesson plans, homework assignments, and projects covering data structures, game development, and coding basics augmenting student skill level from novice to experienced
- Facilitated daily operational tasks such as pre- and post- lesson planning, client scheduling, and performance assessments

PROGRAMMING EXPERIENCE

Startup Hackathon Winner, University of Florida

May 2019 – July 2019

- Led a team of 5 to establish a company from scratch addressing key gaps in the cleaning services industry through the creation of pricing algorithms, customer analysis, and financial projections
- Placed 1st out of 15 teams, winning a \$6000 grant covering legal fees, forming an LLC, and writing a business plan

Freelancing, Doctor's Office Web App (JavaScript), Orlando, FL

November 2019 - March 2020

- Designed a logistic-centric web application by collaborating weekly with a physician to incorporate custom features such as employee payroll and streamlined customer appointment scheduling
- Utilized advanced story boarding and prototyping to develop a seamless user experience for the patients

Undergraduate Research – Human Centered Computing Lab, University of Florida

January 2020 – April 2020

- Organized experiments testing the variance in user interaction of software between kids and adults to create advanced interaction techniques for children in education, health care, and gaming

Website Management (SQL, PHP), Theta Tau Engineering Fraternity, University of Florida

May 2020 – Present

- Maintained a scalable website by updating the site weekly with new information, members, and events to allow 80+ members to sign in and interact with customized information
- Managed sensitive information of 700+ brothers and alumni contained in MySQL Database to uphold user security

Image Processing and Editing Modification (C++), University of Florida

October 2019

- Transformed images through modifying underlying binary data, creating custom special effects such as rotations, combinations, color changing, and filtering

LEADERSHIP

Project Manager, The Entrepreneurship Collective, University of Florida

August 2019 - Present

- Redesigned the structure of a mismanaged organization by having weekly interactive activities to motivate entrepreneurial innovation and increase the retention rate of new members
- Facilitated the creation of 2 business projects the 20 members chose to stimulate collaboration within the organization

Academic Chair, Theta Tau Engineering Fraternity, University of Florida

May 2020 - Present

- Centralized academic participation among 80+ members through study groups and access to useful study material
- Organized peer advisor and tutoring sessions for the organization to increase knowledge for older and younger members

PERSONAL PROJECTS

- **User Authentication:** JavaScript using Firebase | PHP using SQL
- **Ecommerce Website:** JavaScript using the Stripe API for payment processing
- **Time Scheduling:** JavaScript implementation allowing users to clock in and out
- **Games:** Minesweeper (C++) | Pong (Java / Processing) | Snake Game (Python)
- **Data Structure Implementations:** Huffman Algorithm (C++) | Balanced BST (C++)