# Anthony Khoury

anthony14khoury@gmail.com | 407-353-1092 | anthonykhouryweb.com | github.com/anthony14khoury

#### **EDUCATION**

### Bachelor of Science in Computer Engineering | Minor in Sales Engineering

University of Florida, Gainesville, FL

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**

- 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

- 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

- 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

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

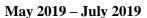
- Redesigned the structure of a mismanaged organization by having weekly interactive activities to motivate entrepreneurial innovation and increase the retention rate of new members
- Facilitated the creation of 2 business projects the 20 members chose to stimulate collaboration within the organization

#### Academic Chair, Theta Tau Engineering Fraternity, University of Florida

- 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++) •



November 2019 - March 2020

May 2020 - Present

October 2019

#### August 2019 - Present

## May 2020 - Present

#### May 2022 GPA: 3.3/4.00