Mark Sandomeno
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EDUCATION

Clemson University, School of Engineering, Computing and Applied Sciences

Expected May 2023 Graduate

Bachelor of Science – BS, Computer Science, Cyber Security.

Seton Hall Preparatory School

2019 Graduate

EXPERIENCE

Hooked Boxing & Fitness
Neptune City, New Jersey

Creative Solutions, IT , Digital Marketing Strategies.

May 2020 - August 2021

- Helped design www.hookedboxing.com, Instagram content, and overall branding for gym.
- Researched client base and common trends to curate advertisement plans/targets for Facebook.
- Developed creative solutions in operating gym virtually during COVID pandemic.
- Spreadsheets and general organization of company notes, growth strategy, and equipment management.
- Hobby instagram: @_JerseyBoxin to experiment with New Jersey Boxing demographic, 1200+ authentic NJ boxing fan followers.

IOS Developer/Designer
Clemson, South Carolina

Freelance, Self-Taught

June 2015 – Present

- Published 2 IOS applications that had to go through multiple review and update process'.
- Familiar with UI Design of IOS application technology, and storyboarding application interfaces.
- Experimented with popular design patterns, found skills and passion for aesthetic, simple yet abstracted designs.
- Freelanced on www.codementor.com to consult application development plans, and lifecycle details.

Undergrad Research
Clemson, South Carolina

UX Game Research: "Serious Games" Credit: A
Jan 2022 – Present

- Prepped and wrote research proposal to study effectiveness of new Chinese language learning software: www.funchinaworld.com
- Hypothesis: Immersive language learning games trump traditional methods of language learning.
- Analyze user screen behavior via screen recordings and evaluate UX at three different levels (Beginner, Intermediate, Fluent)
- Ran tests on live candidates to gauge their conformability and troubleshooting skills within the software.
- Tested candidates weekly in order to gauge general understanding of skill improvement over entire semester period.
- Created reports / presentations on popular design mechanics, experience flaws, and overall effectiveness of the software.

Software Development Skills
Clemson, South Carolina

Design Patterns, Activity Diagrams, Wire-framing, Testing, User Requirements
Jan 2022 – Present

- Experience with design patterns in both UI and UX levels.
- Understand core concepts of input/output design, navigation design, content structuring, and social sharing.
- Always aware of new design standards, and popular mechanics, icons and symbols to use.
- Skillful at crafting test cases and test scenarios for boundary situations, design flaws, and erroneous user states.
- Adequate in most programming languages and passionate about design libraries.
- Created hundreds of user requirements, functional and nonfunctional, for several applications as part of planning development
- Mapped out activity diagrams, program flow charts, and general navigation storyboards for applications.

LICENSES / OTHER QUALIFICATIONS

- HSK Level I / II, Certification in Mandarin Chinese by Confucius Institute.
- Cal Arts Coursera: "UI/UX Specialization"; completed May 2022
- Knowledge of web based security tools (Firewalls, Antivirus software, PKI services)
- Adequate in Tableau, Microsoft Excel, Microsoft PowerPoint, Microsoft Word, and general statistical analysis.
- Fundamental understanding of networks, socket programming, and cybersecurity fundamentals.
- Python, Java, Javascript, Swift, C,C++, Linux
- IOS development certification, 2 week bootcamp at Princeton University, 2 published applications with 1200+ downloads
- Good at conceptualizing original ideas and bringing simplicity to complex abstractions of data.

EXTRACURRICULAR / LEADERSHIP ACTIVITY

- Three-year captain for the New Jersey Rockets AAA Hockey Club, Varsity Hockey, Vice President of Alpha Sigma Phi - Clemson.
- Seton Hall Prep School Ambassador, Kairos Leader, Chinese Exchange Program Ambassador, Chinese Honors Society Member.