Lucas Walbeck

CONTACT

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OBJECTIVE

I am an aspiring software developer with interests in Intelligent Health Applications, UX Design, full-stack development, and mobile-systems design.

EDUCATION

Bachelor of Science in Computer Science, Minor in Finance
University of San Diego | May 2020 | Major GPA 3.7

SELECTED COURSEWORK

Advanced Algorithms	Object Oriented Design	Neural Networks	Digital Hardware	Networking
computational complexity (Pending Spring 2020)	design patterns, polymorphism, inheritance	machine learning, algorithm analysis	MIPS, verilog, single-cycle CPU	OSI network model, protocol analysis

TECHNICAL EXPERIENCE

Application Developer Intern | Flyers Energy | Summers 2018-19
- Created auditing program to fix faulty credit card records, which was utilized by the accounting team with over 350+ records since deployment in June 2019
- Implemented help desk ticket reporting for employees
- Worked in an agile environment with bi-weekly sprints

VR Curriculum Developer | Hands-On Technology | Spring 2019
- Created a 5-day curriculum utilizing WebVR and Oculus Go headsets for children ages 12-15
- Focused on finding the best ways to engage and teach fundamentals of Javascript and VR

LEADERSHIP EXPERIENCE

President | ACM Chapter University of San Diego | June 2019 - Present
- Provide organization and strategy to oversee industry outreach, professional development, and event management
- Help lead workshops on web development, Linux/Github, interview prep, and review resumes
- Foster relationships with industry professionals and provide opportunities for ACM members

Team Captain | NCAA Division I University of San Diego Men's Rowing Team | January 2019 - Present
- Facilitate effective communication between athletes and coaching staff
- Organize meetings, captain's practices, and community service events for athletes
- Exemplify leadership, strong work ethic, and time management skills

PROJECTS

Image Colorization Neural Network | code available on GitHub | October 2018 - December 2018
- Utilizes a convolutional neural network to colorize black and white images based on features
- Able to accurately colorize outdoor images based on training set and resources

Music Streaming Server & Client | code available on GitHub | April 2019 - May 2019
- Utilizes a custom protocol to stream bytes between C++ server and Java client

Personal Portfolio Site & API | code available on GitHub | July 2019 - January 2020
- Using a React-based front end to present projects and information from a RESTful Python service
- Using a Django-based back end to maintain API and project data from GitHub

LANGUAGES

» Python » Java » C/C++
» C# » SQL » JavaScript

FRAMEWORKS

» .NET Core » React » Angular » jQuery
» Node.js » Git » TFS » Django