
Kim-Wilson Ngo

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EDUCATION

California State University, Long Beach, Long Beach, CA

Expected graduation date: May 2019

Major: Computer Science | Senior Standing | GPA: 3.41

PROFESSIONAL EXPERIENCE

Space and Naval Warfare Systems Center, San Diego, CA

Software Test Engineer Intern, June 2018 – August 2018

- Conducted R&D of software test engineering solutions for Navy's Global Command and Control System – Maritime.
- Developed automated regression and functional test scripts, cutting down average test time by 57%.
- Designed testing system to reduce software installation time on naval vessels from 17 days to 5 days on-board ship.
- Obtained DoD SECRET Security Clearance

Regal Logistics - Softketeers Inc., Fountain Valley, CA

Software Engineer Intern, June 2015 – June 2017

- Contributed code alongside senior engineers on a cloud-based 3PL software that manages shipping logistics.
- Translated business model to code with C-Level executives, bringing the product from Alpha to Beta phase.
- Managed large quantities of EDI data from big box retailers to import into Microsoft SQL Server.

SKILLS

Programming: Java, Python, C#, C++, C, SQL, JavaScript

Tools: Microsoft Visual Studios, Linux, Microsoft SQL Server, TestComplete, Unity, Android Studio

Frameworks / APIs: Microsoft .NET, Google Cloud Platform, OpenCV

PROJECTS

VR Flappy Bird

Developer and Audio Programmer, November 2018 – Present

- Developed a student-created virtual reality "Flappy Bird" clone using Unity, Wwise, and Myo APIs.
- Designed 3D spatial audio and 2D audio to create an emotional need to replay the game despite countless deaths.
- Refined game physics to provide more fluid motion as the player physically flaps their arms to control the bird.

Huge Piano @ TEDxCSULB

Technical Project Manager, October 2018

- Created an interactive huge piano for TEDxCSULB that event guests can play by stepping on large keys.
- Wrote Arduino and Processing software in order create a "repeat-after-me" game with piano key presses.
- Led software, electronic, and construction teams to physically and digitally build the piano.

Facial Recognition Spy Cam - Beach Hacks

Developer and Participant, April 2018

- Attended Hackathon at CSULB to create a computer vision / machine learning facial recognition.
- Utilized OpenCV API to track and recognize faces, utilizing metadata for each individual face stored.

LEADERSHIP EXPERIENCE

Theta Tau Professional Engineering Fraternity, Long Beach, CA

Founder & President, July 2017 – Present

- Successfully founded the first and only engineering fraternity on campus and first Theta Tau in the CSU system.
- Oversee executive board and seven committees to ensure engineering and professional success among its members.

INTERESTS AND HOBBIES

Software, technology, robotics, leadership, music/media production, graphic design, and I'm a Dungeon Master