John Tran

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Education

OKLAHOMA STATE UNIVERSITY STILLWATER, OKLAHOMA EXPECTED: MAY 2019

· Major: Bachelor of Science in Computer and Electrical Engineering GPA: 4.00
· Minor: Computer Science
· Classes: Computer Science I, Computer Science II, UNIX Programming, Programming Intelligent Robots, Discrete Math, Data Structures

Work

SOFTWARE ENGINEER INTERN | KIRTLAND AIR FORCE BASE AFRL, ALBUQUERQUE, NM JUNE 2016 – AUGUST 2016

· Developed a GUI for General Purpose Telescope Control that is portable, robust, and open sourced in a team of two
· Innovated new ways to control an iOptron telescope mount while offering usability
· Mentored other interns on programming structure and etiquette such as model view controller architecture

ROBOTICS RESEARCH | OKLAHOMA STATE UNIVERSITY, STILLWATER, OK JANUARY 2016 - PRESENT

· Creating a bridge from ROS Java to Android in order to increase controllability of robots
· Implementing smartphones as a central processing unit for robots to replace micro-controllers
· Motivating children to be involved in STEM through robotic games

RESEARCH ASSISTANT | OKLAHOMA STATE UNIVERSITY, STILLWATER, OK SEPTEMBER 2015 - DECEMBER 2015

· Assisted in improving the quality of ARM architecture
· Helped develop a way to increase speedup cycles in hardware

Hackathons and Projects

HACKMIT SEPTEMBER 2016

· Worked with a team of all new-timers to work on a Google Cardboard app using Unity and Java
· Did not win anything, but learned basic Google Cardboard development

ROBOTSOCCER MAY 2015

· Created a Roomba that plays soccer with a yellow ball with Python and ROS
· Worked with classmates to finish the project then played each other in a tournament

Leadership

CO-FOUNDER | KINDLE THE FLAMES SEPTEMBER 2015 - PRESENT

· Co-leads STEM outreach to children within Stillwater community with three other people
· Starting an organization that focuses on building projects outside of class

VICE PRESIDENT | VIETNAMESE AMERICAN STUDENT ASSOCIATION SEPTEMBER 2015 - PRESENT

· Re-building the club through new policies and ways of organization with an officer team of five people
· Spreading Vietnamese culture within the community

TREASURER | INFORMATION SECURITY ASSURANCE CLUB SEPTEMBER 2015 – MAY 2015

· Informed members about the importance and aspects of cyber security

Skills

Proficient: Java
Familiar: C, C++, Python, Android, Git, HTML, CSS, JavaScript