Kyle Zhang

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in linkedin.com/in/kyle-zhang-44667320a   🔗 https://github.com/RiptideStar/

Experience

Technology Instructor

Tech4Kids & CFAP Youth Council

May 2020 - Present (11 months +)

Teaching students with hands on technology projects (Code in GitHub - https://github.com/RiptideStar):

* Python Programming with AI & Machine Learning Projects
* Game Programming Using Unity & C#
* Python Programming, Web Crawlers, Website Creation & Data Visualization with Hands-on Projects
* Psychology of Gaming & how to manage and balance it with School Life for parents and children

Summer Intern

Nan Cancer Research Lab at Oregon Health & Science University

Jun 2019 - Sep 2019 (4 months)

* Over 400 hours under the supervision of Dr. Nan in his Lab, a leading Cancer Imaging Lab nationwide, I implemented and automated multimodal microscopy with NanoJ-Fluidics using low-cost Lego hardware controlled by ImageJ-based software.
* Basically, I applied the knowledge I learned from FLL & FTC (robotics competitions) to leverage the Lego robotics hardware to automate the imaging process based on this [research paper published on Nature](https://www.nature.com/articles/s41467-019-09231-9)

Lab Assistant

Chemistry Lab at Oregon State University

Jul 2020 - Aug 2020 (2 months)

Under the supervision of Dr David Ji, I implemented the data processing program using Python (GitHub https://github.com/RiptideStar):

* Python program processing chemistry research data]

Software Lead

FTC Robotics

Sep 2018 - Mar 2020 (1 year 7 months)

* Leading Software Programming for the team
* Top 10 team in Oregon (out of 209 teams)
* Qualified for 2019 World Tournament Championship in Houston.

Software Lead

Destination Imagination

Sep 2015 - May 2016 (9 months)

* Led the design and implementation of a robotic squirrel using Lego hardware

* Won the State Championship and represented Oregon in the World Tournament at the University of Tennessee. Ranked 19th worldwide.

Education

Stanford University

Machine Learning

Machine Learning, Online Class by Andrew Ng

Portland State University

Robotics and Quantum Computing

2020 - 2020

Robotics and Quantum Computing class by Prof Perkowski

Portland Community College

Computer Science

2019 - 2022

CS140, CS160, CS161, CS162, CS179, CS233, CIS284, CS260, EC201, EC202

== > GPA: 4.0

Skills

artificial intelligence • c++ • java • javascript • linux • matlab • microsoft c# • networking • Python (Programming Language) • Machine Learning