Tony Zhu

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Summary

Produces elegant yet efficient code with 5+ years of experience in programming.

Known as a proactive worker and team player with clear-cut, comprehensive communication.

Always passionate and enthusiastic about problem solving and working with technology.

Skills

Languages: Fluent in Java | Experienced in C# and HTML/CSS | Python, C++, Javascript

Tools: Unity | Agile/Scrum Methodology | Jira & Confluence | Git | VSTS | .NET | Linux

Libraries/Packages: Keras & Tensorflow | OpenCV | Tesseract OCR | Beautiful Soup 4

Miscellaneous: Ideation Process | Rapid Prototyping | Public Speaking | Video Editing | Ultimate Frisbee

Experience

Software Engineer Intern, Schneider Electric | *June 2018 - August 2018*

Microsoft HoloLens app to showcase a variety of Schneider products in AR. Development process includes extensive use of Unity, C# scripting, Visual Studio (Team Services), 3D modeling, and Agile workflow.

Ongoing automation of company-wide product configuration utilizing Computer Vision, Machine Learning, and OCR. Problems include PDF parsing, noisy image filtering, and extreme request variability. Tools include C#, .NET Framework, Python, OpenCV, Tesseract.

Intern, Cycorp AI | *June 2016 - August 2016*

Debugged and tested software products in a Scrum/Agile workflow environment.
Programmed high level software in C# and CycL for company projects and products.

Software Developer, A&M University VR Research | *December 2017 - present*

Hired onto graduate research project to develop virtual reality software in Unity: a VR application that displays stress points, fractures, and simulations of 3D objects from the software Abaqus.

Research Assistant, Deep Learning Lab | *Nov. 2017 - present*

Weekly topics and challenges on neural networks (Keras/Tensorflow in Python) assigned and supervised by Dr. Anxiao Jiang. Recent challenges involve a MNIST recognizer and a chatbot (NLP processing) by neural networks.

Education

Texas A&M University, College Station, TX
BS in Computer Science | University Honors
Class of 2021

Phillips Exeter Academy, Exeter, NH
David T. Swift Proctor Award
Class of 2017

Activities

Aggie Coding Club [Project: Tensorflow Snake] | *Sept. 2017 - present*

Active Member - Work in groups of 4-5 on an extensive long-term coding project. Current project involves training a neural network to beat the game Snake. In addition, attend lectures weekly provided by external companies/professionals regarding all things Code (e.g. Git, Docker, Types of Machine Learning). 3 hrs/wk

Texas A&M Coding Society | *Sept. 2017 - present*

Active Member - Attend socials, networking events, lectures by industry professionals or professors, and presentations of local projects. 1 hrs/wk

Aggie Artificial Intelligence Society | *Sept. 2017 - present*

Active Member - Attend demonstrations/workshops provided by external parties regarding AI and Machine Learning related topics. 1.5 hrs/wk