Ryan Chu

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OBJECTIVE

To have the opportunity to solve challenging yet fun and interesting problems at an intern position as a software engineer.

SKILLS: Java, Python, C#, SQL, HTML, JavaScript, C, MATLAB, CSS, R, Eclipse, Visual Studio, Git, Linux

EDUCATION

Purdue University, West Lafayette, IN, 3.88/4.00   May 2024
Bachelor of Science in Computer Science and Data Science

EXPERIENCE

Purdue University, West Lafayette, IN   August 2021 – December 2021
Undergraduate Teacher Assistant
- Led a lab session for two hours each week to assist students with C programming homework
- Fielded questions on the class's online forum

Purdue University, West Lafayette, IN   August 2021 – August 2021
Undergraduate Teacher Assistant
- Led a lab session for four hours every day for two weeks
- Assisted students who are new to coding with Java programming labs and reviewed concepts they learned

Purdue University, West Lafayette, IN   June 2021 – August 2021
Undergraduate Teacher Assistant
- Held office hours for two hours each week to assist students with discrete mathematics homework
- Fielded questions on the class's online forum

Baseet AI, CA   May 2020 – June 2020
Internship
- Researched the Pytorch library to learn about basic AI algorithms
- Developed a program using the Pytorch library to detect facial key points

Perception Science Program, UC Berkeley, CA   July 2019 – August 2019
Researcher
- Learned computer coding in MATLAB, statistical analysis techniques, and neuroscience topics such as the functions of the eye and brain.
- Researched and presented the effect of ensemble perception on spatial heterogeneity which examines whether pooling information from what you see reduces the bias in your visual perception.

PROJECTS

Minecraft Server   September 2016 – Current
- Develop Minecraft plugins in Java to make my server distinctive and attractive to players
- Manage moderators who monitor players from breaking the rules and assist those who need help
- Organize community events such as players engaging in PVE (players versus entities) against bosses for in-game rewards
- Continuously maintain my plugins by adding more features requested by players
- Over 300 unique players joined from across the globe

WHIN Weather Station App, Hack the Future   October 2021 – Current
- Develop a mobile application with Dart and Flutter to display weather data from nearby weather stations build a database of professors from the Purdue CS faculty website with team members
- Allows users to choose which stations and data to be displayed.

Inquery, BoilerMake Hackathon   January 2021
- Developed a web scraper using Python and Firebase to build a database of professors from the Purdue CS faculty website with team members
- Added a web interface with HTML and CSS to allow users to look up a research topic and display the professors with similar research interests in a user-friendly format

KEY COURSE CURRICULUM

Problem Solving and OOP	Foundations of Computer Science	Programming in C	Python Programming
Introduction to Data Science	Computer Architecture	Data Structures and Algorithms	