


Julia Shuieh

Prospective Master's in ML student seeking an AI or ML internship for Summer 2022


Contact

julia.shuieh@gmail.com 

(408) 707-2917 

Cupertino, CA 

jshuieh.github.io 

linked.com/in/juliashuieh 

Education

Carnegie Mellon University

B.S. in Artificial Intelligence
Minor in Psychology

3.84 GPA • Aug 2019 - May 2022

Coursework

Intermediate Deep Learning
Computer Vision & Search Engines
Introduction to Machine Learning
AI: Representation & Problem Solving
Parallel & Seq. Structs & Algorithms
Designing Human-Centered Software
Research Methods in Cognitive Psych.
Modern Regression

Skills

Languages

Python • C/C++ • C# • Java • HTML/CSS
Bash • Powershell • Lua • R • JSON

Tools and Technologies

PyTorch • Scikit • Statsmodels • Pandas
Git • Unity • Azure • WPF • CI/CD • JIRA

Soft Skills

Problem Solving • Team Leadership
Adaptability • Communication

Organizations

Society of Women Engineers
Facebook Above & Beyond CS
Rewriting the Code
SASE, ASA, TSA

Honors

Dean's List with High Honors
Palantir Women in Tech Scholarship
Class Valedictorian

Hobbies & Interests

Teaching • Robotics • Video Games
Theatre • Traveling • Food • Music

Experience

Research Assistant

CoEx Lab • Pittsburgh, PA (Remote) • Jun 2021 - Present

- **Tools:** Python (PyTorch, Statsmodels, Scikit, Pandas, Flask), Bootstrap
- Design negotiation tools for online freelancers, incorporating techniques and strategies to help shrink the gender wage gap.
- Iterate on machine learning models for rate-setting based on current freelancer rates, profiles, and job market.
- Research and design further studies on freelancer platforms, communities, and difficulties in negotiation and rate-setting.

Instructor

AI Camp • Palo Alto, CA (Remote) • Sep 2021 - Present

- **Topics:** Python, Machine/Deep Learning, CV, NLP, Data Science, RL
- Teach AI topics in weekly 1:1 sessions through lessons and projects.
- Guide students through data collection, training, and deployment to make ML products that solve real-life problems based on their interests.
- Mentor students to help them become independent learners and determine their future career paths.

Software Engineering Intern

Roblox • San Mateo, CA (Remote) • May 2021 - Aug 2021

- **Tools:** Sourcegraph, Github Actions, Drone, Grafana, CI/CD, JIRA
- Developed a CI system for Sourcegraph batch changes to incorporate code review process and decrease onboarding time for new users.
- Led the launch of the system with documentation, testing, and metrics.
- Investigated and configured company tools to migrate microservices from Drone CI workflows to Github Actions.

AI Research Intern

Belle AI • Cambridge, MA (Remote) • Dec 2020 - Mar 2021

- **Project topics:** NLP, CV, Decision-Making, Game Design
- Designed and proposed innovative, full-fledged AI solutions according to clients' needs by researching the literature for current technologies.
- Collaborated with technical leads and interns to write detailed proposals.

Software Engineer Intern - EUC

VMware, Inc. • Palo Alto, CA (Remote) • Jun 2020 - Nov 2020

- **Tools:** PowerShell, C#, Python, WPF, Azure, Jenkins, Git, JIRA, Bugzilla
- Created a modular framework for automated testing of command line and UI functionality for installers used in various Windows OSes.
- Organized daily tests with extensive logging of results and causes of errors that helped catch many installer issues throughout updates.
- Added new functionality and fixed usability issues for installers.
- Wrote scripts to parse MSI/MSP file information for patch creation.

Software Project Lead

FIRST FRC Team 2473 • Cupertino, CA • Oct 2016 - Jun 2019

- **Tools:** Java (WPILib), Python (NumPy, SciPy, Tkinter), Raspberry Pi, Git
- Programmed robot driving code with joysticks for competitions.
- Collected and analyzed LiDAR sensor data for corner detection.
- Developed robot code architecture for safe error handling in runtime.
- Created an interactive display to showcase our robot and team.
- Communicated effectively with team members and other project leads to create a complete, coherent product on schedule.
- Mentored new members to train and integrate them into the team.