JIAJI SUN

✉ ps_grad@163.com · 📞 (+86) 1860-893-9898 · ⌨ github.com/philipsun1990

EDUCATION

Oregon State University   Mar. 2013 – Dec. 2019

B.S. in Computer Science, Minor in Psychology

- Major GPA: 3.05/4.0
- Relevant Coursework: **CS 362**: Software Engineering II, **CS 444**: Operating Systems II, **CS 372**: Programming Languages, **CS 340**: Intro to Databases, **CS 372**: Intro to Computer Networks, **CS 468**: Inclusive Design (HCI), **CS 290**: Web Development, **CS 492**: Mobile Software Development, **CS 352**: Usability Engineering

RESEARCH

Charisma Robotic Research Lab   Aug. 2019 – Apr. 2020

Volunteer Research Robotics Engineer

- Engineered and improved the user interface (UI) of an annotation system. Implemented new features including: adding screenshot capabilities, quick note creation, regular note creation, and overall UI usability.
- Contributed to the research and development of two candy-serving robots. Named Chairbots, 2 full-size chairs were placed on 2 Roomba robots, and delivered candy to people on Halloween Day.
- Assisted the lead engineer on an audience reaction robot. Named Operabot, it annotated audiences' reactions during live performances.

HIGHLIGHTED PROJECTS

Social Robot Annotation System   Aug. 2019 – Apr. 2020

Contributing Engineer

- Built the UI of the Social Robot Annotation system utilizing Python, JavaScript, Flask, Pipenv and MySQL. Flask framework and Pipenv Virtual Environments were used to build the entire system, JavaScript to build the web page and user interface, MySQL to store notes data and login data.
- Operated and tested the system on field-tests to ensure quality assurance (QA) of UI design, and updated UI based on results of the field tests.

SoundStacked   Sep. 2018 – May. 2019

Contributing Engineer

- Developed a mobile social networking platform that allows users to discover and share music to friends.
- Designed the UI of the mobile app with the React-Native scripting language.
- Created seed data to test the Mysql database and UI functions before the app went online.
- Led the QA efforts to ensure app performed optimally, and as intended before the final projects expo.

Custom Website UI for People with ADHD   Sep. 2018 – Dec. 2018

Contributing Engineer

- Engineered a custom UI for a health insurance website, that would better serve individuals suffering from ADHD in overall UI navigation.
- Researched and created two personas for intensive tests. Personas based on all traits individuals may suffer from with ADHD.

SKILL

- Computer Languages: Python, C/C++, C, JAVA, JavaScript, SQL, Shell
- Libraries: Turtle, Pandas, Matplotlib, Flask
- Toolboxs: Visual Studio, Photoshop, Balsamiq, GitHub
- Language: Mandarin - Native speaker, English - Fluent