

Jerry Allan Akshay

2707 Portland St, Apt 211, Los Angeles, CA 90007

E-mail: jakshay@usc.edu

Portfolio: fallen-axe-shay.github.io

Phone: 213-522-6313

EDUCATION **Graduate (Master of Science, Computer Science)** (August 2021-May 2023)
University of Southern California (USC), Los Angeles, California, USA
GPA: 4.0 (Computer Science Masters Honors Student)
Relevant Coursework: Analysis of Algorithms, Databases, Web Technology,
Machine Learning for Data Science

SKILLS **Programming Languages**
C, C++, C#, Java, JavaScript, TypeScript, HTML, CSS, XML, Python, PHP, Kotlin
Frameworks and Tools
ElectronJS, AngularJS, ReactJS, NodeJS, Flask, .NET, MySQL, Bootstrap, JQuery,
Firebase, Git, Docker, AWS, REST, Android Studio, MongoDB, FIGMA, Jest, Pandas,
Scikit-learn, Numpy, Matplotlib, RegEx, Markdown, SASS, Bash

EXPERIENCE **Student Worker (Full Stack Developer)** (September 2021-Present)
USC Information Sciences Institute, Los Angeles
Revolutionize experiment testbeds by implementing DEW (Distributed Experiment
Workflows) - a novel approach to testbed design, orchestration, and analysis

Associate Engineer (September 2020-July 2021)
Unisys, India
Redesigned and coded a new cross-platform installer for a proprietary cybersecurity
product STEALTH, replacing old legacy Windows-only installer

PUBLICATIONS **EPM: Meta-learning method for Remote Sensing Image Classification**
Co-authored a paper on a proprietary improved ensemble remote sensing image
classification model leveraging few-shot learning paradigm to improve accuracy scores
by around 10% over traditional few-shot learning models
Status: Accepted at MISS-2021 Springer Conference. Pending publication.

PROJECTS **Associate Skill Dictionary** (September 2020-February 2021)
Developed an Employee Improvement Web Application enabling employees to upskill
themselves with help of a visual road-map, in capacity of a Team Leader; winning
project at the Unisys Fresher's Hackathon

University Transcript Creator (July 2020-September 2020)
Designed a Windows Application to automatically generate digitally signed Transcripts,
supplanting manual entry of data used at Bangalore University

PC Shop App (April 2020-June 2020)
Collaborated with a Startup and built an Android Application to help residents place
orders with local shop owners, boosting income during COVID-19 pandemic

Universal Interpreter (January 2020-February 2020)
Created a Software for differently-abled to communicate with each other through Morse
Codes, Speech, and Hand Gestures (making use of the American Sign Language) on
mobile devices; winning entry at the Unisys Cloud 20/20 Hackathon

ACTIVITIES **Leadership**

- Vice-Chairperson, IEEE UVCE Computer Society (April 2019-March 2020)
Planned, organised, and executed bootcamps, workshops, hackathons, and
ensured team coordination by conducting and taking charge of weekly meetups

Awards

- Unisys Cloud 20/20 Y11 (December 2019-May 2020)
Standing: Placed First in the Contest