

Joshua Si

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Education

University of Illinois Urbana-Champaign Pursuing Masters in Computer Science	01/2024 - Present
University of California, Los Angeles B.A. Linguistics and Computer Science	09/2020 - 06/2022
University of California, Irvine	09/2018 - 06/2020

Experience

Software Engineer <i>C3 AI, Redwood City, CA</i>	06/2022 - Present
<ul style="list-style-type: none">– Developed a range of customizable data visualization features with Echarts for Ex-Machina, a no-code data analysis solution.– Introduced data processing capabilities including principal component analysis and two-sample proportion test.– Constructed a robust consumption-based billing system for Ex Machina, enabling role-based usage monitoring and management.– Designed map visualization and geospatial analysis components for Defense and Intelligence products.– Contributed to the design and development of UI for managing clusters, environments, and apps on the C3 AI Platform.	
Software Engineer Intern <i>Noah Medical, San Carlos, CA</i>	03/2021 - 08/2021
<ul style="list-style-type: none">– Collaborated with the core team to build a movement detection feature for a medical robotics product.– Authored a command-line interface for high-precision sensor calibration and precision testing, utilizing sensor manufacturer's APIs.– Utilized Python to process and visualize sensor data, providing critical insights to inform core team decisions.	
ML Research Intern <i>Massachusetts General Hospital and Harvard Medical School, Boston, CA</i>	06/2019 - 08/2019
<ul style="list-style-type: none">– Created an image feature extraction tool to construct machine learning classification models for vocal cord cancer diagnosis using Python, ImageJ (Java), and R.– Assisted a radiologist in training machine learning models for vocal cord cancer diagnosis based on the radiomic image features extracted from the tool.	
Software Engineer Intern <i>Sentons USA Inc., San Jose, CA</i>	06/2018 - 08/2018
<ul style="list-style-type: none">– Crafted an internal developer tool with Python to extract test results and upload reports onto the internal product server.– Implemented an automated QA framework and data pipeline for product firmware.	

Languages & Skills

C++, OpenMP, Python, PyTorch, Java, Scala, JavaScript, React, C#, Go, PostgreSQL, MongoDB