

Ron Kibel

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📍 Campbell, CA

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EDUCATION

Computer Science (MS)

University of California - Santa Barbara

Santa Barbara, CA

Sep 2024 - Dec 2025

○ **GPA: 4.0/4.0**

○ Emphasis: Computational Science, Machine Learning (ML) and Computer Vision (CV)

Computer Science (BS) + Applied Mathematics (BS)

University of California - Santa Barbara

Santa Barbara, CA

Sep 2021 - Mar 2025

○ **GPA: 4.0/4.0**

○ Fall 2023: UC Education Abroad Program - Universidad Carlos III de Madrid (UC3M) in Madrid, Spain

○ Activities: UCSB Chess Society, UCSB Black Tide (Ultimate Frisbee), DRP, Coders SB, SB Hacks, Hillel

EXPERIENCE

ServiceNow

Kirkland, WA

Software Engineering Intern - AI Search

May 2024 - Sep 2024

○ Developed and integrated an **image search feature** for ServiceNow's AI Search platform, allowing for image-to-image and text-to-image retrieval

○ Enhanced search capabilities with a multimodal approach using **embeddings, image captioning, and text extraction (OCR)**

○ Implemented a hybrid indexing strategy leveraging OpenCV, OpenAI CLIP, and Apache Tika to preprocess images during indexing

ServiceNow

Santa Clara, CA

Software Engineering Intern - Developer Productivity (two summers + part-time)

May 2022 - Sep 2023

○ Produced **end-to-end automation** for the creation of **code scan analyzers** (flagging problematic files prior to git merge process)

- 1000+ new analyzer requests, reducing manual intervention by 85%

○ Recognized at the VP level for project contributions, highlighted at both summer intern showcases

○ Front-end with client/server SN scripting (JavaScript), back-end with Java, Maven, pipelining with Jenkins CI/CD

Centrify Corporation

Santa Clara, CA

Test Automation Engineering Intern

Jun 2019 - Sep 2019

○ Automated **complex API user provisioning** systems (SCIM, SAML) for **IdP/SP-initiated authentication** using PyTest and Postman

○ Published 5 documents for the authentication process, providing a comprehensive guide with step-by-step instructions

○ Edited 5000+ logos with graphics editors Pixelmator and Photoshop, ensuring seamless integration with the company portal's design

PROJECTS

MS Project: Decentralized Multi-Robot Mapping and Sensor Fusion

Santa Barbara, CA

UCSB Four Eyes Lab

Aug 2024 - Current

○ Researching a robust multi-view stereo (MVS) scheme posed as a multi-robot problem, introducing noise and modeling robots as a graph with edges as communication links.

Performance-Oriented Fluid Simulation [↗](#)

Madrid, Spain

UC3M Computer Architecture Lab

Aug 2023 - Dec 2023

○ Developed a high-performance simulation modeling a fluid in C++ using CMake, optimizing particle collisions for realistic behavior within a confined space.

Markov-Style State Machines [↗](#)

Santa Barbara, CA

UCSB Math Directed Program

Dec 2022 - Jun 2023

○ Researched Markovian Models in the context of partially observing agents, and presented findings in a poster session.

SKILLS & INTERESTS

Spoken Languages: English (native), Hebrew (native), Spanish (Full Professional Fluency)

Software: Java, Python, C++, JavaScript, HTML/CSS, SQL

Tools: PyTorch, OpenCV, CUDA, Git, CMake, Maven, React, Node, PostgreSQL/MongoDB/Neo4j

Interests: chess, rock climbing, backpacking, Ultimate Frisbee, volleyball, piano, guitar, reading