

CONTACT

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SKILLS

Languages

Python, C#, Rust, C, Assembly,
Bash, Nix, Racket, Java, GLSL,
Javascript, various homebrew
languages, everything under the
sun

Technologies

Linux, FreeBSD, NixOS, Windows,
Kubernetes, Docker, AWS, GCP,
Network programming, Graphics
programming, Git, QEMU/KVM,
Build systems, VPNs

PUBLICATIONS

[https://scholar.google.com/
citations?user=Et9zYUEAAAAJ](https://scholar.google.com/citations?user=Et9zYUEAAAAJ)

VALUES

- > Picking formats, data structures,
and algorithms that are precise
matches for use cases
- > Picking the lightest dependencies
for the project
- > Considering the social impact of
technical decisions

HOBBIES

- > Capture the Flag (Ethical Hacking)
- > Eating fruit
- > Game modding
- > Speedrunning
- > Optimizing my workflow
- > Learning new and exciting ways to
use a computer

Audrey Dutcher

Hacker of All Trades

Phoenix, Arizona, United States

software development

cloud systems

systems administration

computer security

SUMMARY

Hacker-Academic of 12 years with a focus on decompilation and symbolic execution. Skilled sysadmin and cloud architect. Excited about making "what is the computer doing" an accessible question for anyone to answer.

EXPERIENCE

- Emotion Labs LLC, Founder** Jun 2023 – Present
Security Engineering
Phoenix, AZ
 - > Developed the angr binary analysis platform
 - > Ran trainings on using the angr binary analysis platform
 - > Developed binary analysis solutions for clients
- Arizona State University, Research Assistant** Sep 2020 – Present
PhD Research & Grant Support
Phoenix, AZ
 - > Developed the angr binary analysis platform
 - > Worked on original research in binary analysis and decompilation
 - > Contributed to other students' original research
 - > Performed devops support for several large-scale computational operations
 - > Assembled research products into grant deliverables
- Obsidian Systems LLC, Contractor** Oct 2024 – Mar 2025
NixOS Development
 - > Scouted based on hobbyist work on NixOS for FreeBSD, or "NixBSD"
 - > Ported NixBSD to OpenBSD
- University of California, Santa Barbara, Undergraduate** Jun 2014 – May 2019
Research Assistant
Santa Barbara, CA
 - > Developed the angr binary analysis platform
 - > Contributed to other students' original research
 - > Performed devops support for several large-scale computational operations

EDUCATION

- PhD in Computer Science** Sep 2020 – Present
Arizona State University
Phoenix, AZ
 - > Ongoing
- BS/MS in Computer Science** Sep 2014 – May 2019
University of California, Santa Barbara
Santa Barbara, CA
 - > Several classes on audio synthesis