

Evan Drake

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Education

2017 - 2024

CALIFORNIA STATE UNIVERSITY, CHICO

CHICO, CA

Masters of Science in Computer Science

VP of research club

Experience

2024 - present

Butte College

CHICO, CA

Computer Science teacher

- Designed curriculum
- Organized class while presenting to large audience

2022 - 2023

LIATRIO

CHICO, CA

- Incorporated DevSecOps theory and workflows into internal projects
- Applied Agile workflows and development strategies in a team oriented environment
- Led web based projects requiring advanced development pipelines and complex VCS standards
- Utilized skills for managing and monitoring server environments
- Presented detailed information of project progress in daily scrum style meetings

Extracurricular Projects

2023 - 2024

Published Author

Thesis

- Conducted research into meta-learning and adaptive ai algorithms
- Enacted a strict road map of events
- Managed review meetings, commit meetings and regular advising appointments
- Created a number of experimental applications of the literature to academic journal standards
- Inscribed all writings following IEEE standard for research iournals

2021 - present

Compiler Design

CHICO, CA

- Designed detailed lexer with memory safety in mind
- Implemented interpreted language derived from lisp
- Designed token management system in Rust-lang utilizing the unique object architecture
- Applied understanding of language memory management systems such as heap vs stack

2021

Micro Kernel

CHICO, CA

- Built & designed x86 kernel in Rust-lang
- Used Qemu to emulate hardware
- Implemented support for 8-bit color output in a shell like environment
- Built simple scheduler to manage resource allocation

Skills

Proficient with Git, C, C++, OCAML, Rust-lang, VI, LLVM, Python, Unix/Linux, Swift, JavaScript, MPI, OpenMP, Pthreads, Metal 3, Latex

Community

2018 - present

Volunteer Citrus Elementary School

- Science instructor for grades K-6
- Set curriculum and led classroom instruction

2018

Volunteer *Run for food*

- Logistics for package delivery

Personal

Passionate about compiler design, programming languages, and memory utilization algorithms

- Highly organized, and efficient
- Enjoy learning new technologies, techniques, algorithms... etc.
- Strong leadership skills

Hobbies

- Avid reader of both fiction and non-fiction
- Fabrication work: Black smithing, carpentry
- Sports: I enjoy both recreational swimming and soccer

References

Dr. Tillquist: rtillquist@csuchico.edu

Dr. Seiwert: sbsiewert@csuchico.edu

Dr. Gibson: tagibson@csuchico.edu