

Paul Baldaray

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Education

Bachelor of Science in Computer Science

June 2022

University of California, Irvine

GPA - 3.96, Dean's Honor List (All Quarters)

Relevant Coursework

Data Structure Implementation and Analysis, Parallel and Distributed Computing, Principles of Operating Systems, Programming in Multitasking Operating Systems, Computer Networks, Principles in System Design

Projects

Personal Website | HTML, CSS, JavaScript

pbaldaray.com

- Hosted personal website on a Debian VPS using Nginx
- Created a chess simulator that allows users to add and remove pieces as two bots make uniformly random moves
- Created a typing game where the objective is to quickly type the 'type' of the displayed JavaScript object

Plan 9 Shell Modification | C

github.com/paulbaldaray/rc

- Modified the lexer in an open source shell to support BASH-like double quotes

Various Command Line Interface Tools | BASH, C

github.com/paulbaldaray/Bin

- Wrote several miscellaneous BASH scripts and C programs used on a daily basis
- Created a BASH script that creates a vpn tunnel to UCI's vpn, allowing Arch Linux users to connect to UCI's vpn

Experience and Leadership

Association for Computing Machinery; University of California, Irvine

Winter 2020 - Present

President

- Led a board of 12 members to expand sponsored competitive programming events, algorithmic problem-solving lectures, and career networking events
- Scheduled rooms, hosted events, and communicated and coordinated with corporate sponsors
- Presented several technical talks on problem solving with data structures and algorithms such as recursive backtracking and dynamic programming to an audiences of around 50 members.

Calit2 University of California, Irvine

Winter 2020 - Present

Project Team Lead

- Led a team of 3 students to research and improve upon a personalized physical training app for the home
- Improved UI/UX for an open-source project containing an android application written in Java

Donald Bren School of Information and Computer Science; University of California, Irvine

Fall 2019

Lab Tutor

- Worked with students in problem solving with assembly, circuit logic, and instruction set architecture

Technical skills

Linux Administration

- Administered Linux systems through a command line interface for personal computing such as Arch Linux as a daily driver
- Experienced with administering web servers on linux such as Nginx on Debian to host a personal website
- Wrote shell scripts in languages like Shell, BASH, and ZSH to manipulate files, directories and their permissions

C, C++, Python, BASH, HTML, CSS, JavaScript, Java