Paul Baldaray

paulbaldaray@gmail.com   pbaldaray.com   github.com/paulbaldaray   Yorba Linda, CA

Education

University of California, Irvine   **September 2019 - June 2022**

Bachelor of Science in Computer Science

- GPA: 3.96, Dean's Honor List (All Quarters)
- Relevant courses: Parallel and Distributed Computing, Principles of Operating Systems, Computer Networks

Experience

Calit2; University of California, Irvine   **January 2020 - June 2020**

Project 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 existing project containing an android application written in Java with a Node.js backend
- Researched and reported on a collection of computer vision and motion tracking techniques to improve sensor accuracy
- Wrote documentation for a previously undocumented codebase to ease the transition for future teams

Leadership

Association for Computing Machinery; University of California, Irvine   **February 2020 - Present**

President, Competitor

- Managed a board of 12 members to expand competitive programming events and problem-solving lectures
- Coordinated with corporate sponsors for competitions and networking events
- Presented technical talks and tutorials on problem solving with data structures and algorithms
- Ranked 6th/202 in the US at IEEExtreme 13.0 and 16th/88 at ACM ICPC 2019 SoCal Regional

Donald Bren School of ICS; University of California, Irvine   **September 2019 - December 2019**

Lab Tutor

- Engaged students in problem solving with assembly, circuit logic, and instruction set architecture
- Strategized with faculty and other tutors on improving educational engagement, fairness, and opportunity

Projects

Suckless DWM Patch | **C**   **github.com/paulbaldaray/suckless**

- Contributed to open source by submitting a patch to the suckless wiki
- Applied bit shifting techniques to reorganize the tags in suckless's dynamic window manager

Plan 9 Shell Modification | **C**   **github.com/paulbaldaray/rc**

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

Personal Website and Web Apps | **HTML, CSS, JavaScript**   **pbaldaray.com**

- Hosted personal website on a Debian VPS using Nginx
- chess-simulator: simulator where pieces can be added and removed as two bots make uniformly random moves
- type-type: typing game where the objective is to quickly type the 'type' of the displayed JavaScript object

Command Line Interface Tools | **BASH, C**   **github.com/paulbaldaray/Bin**

- BASH script that creates a VPN tunnel allowing Arch Linux users to connect to UCI's VPN
- C program for changing the backlight of a laptop
- Several other miscellaneous BASH scripts and C programs used on a daily basis

Technical skills

Languages: C, C++, Python, JavaScript, HTML/CSS, Java, Lisp, BASH, AWK
Tools: Neovim/Vim, Makefile, Git, Unix commands, Nginx, GDB
Libraries and Frameworks: Node.js, React.js, Bootstrap