Rahul Dharmaji

Undergraduate Student – Computer Engineering rdharmaji@ucsb.edu – iika.re – linkedin.com/in/rdharmaji

\Box	ı					
Ed	11	ca:	Γ.1	\cap	n	

University of California, Santa Barbara

B.S. Computer Engineering · GPA: 3.86 · · · · · · 9/19 – 6/23 (expected)

Data Structures & Algorithms, Computer Vision, Application Programming, Sensor and Peripheral Design, Analog/Digital Circuits & Systems, Boolean Algebra, Digital System Design, Discrete Math, Linear Algebra, Differential Equations, Vector Calculus, Probability & Statistics

Skills

- Daily user of arch/i3 as a Linux development environment
- Frequent usage of vim, git, and make for personal coding projects
- Experience in shader development with OpenGL+GLSL
- \bullet Skilled in building desktop applications with C/C++
- Heavy user of LaTeX to write reports and format data
- Able to develop for embedded systems using Verilog/C

Projects

nodumi – Graphical MIDI Visualization · C++ (iikare/nodumi) · · · · · · · · · · 6/20 – present Using open-source MIDI-handling APIs, built a desktop application to visualize live and prerecorded MIDI input. Created custom UI workflows to optimize user experience.

Experience

Valkyrie Robotics

Vvu Labs, Inc.

nization events.

Installed, tested, and certified development builds for iOS and Android. Ran debugging tools with breakpoints to identify bugs in unit test cases. Adjusted live streaming parameters (bitrates, framerates, resolutions, etc.) to determine optimal rendering configurations for mobile phones, tablets, and laptops. Logged bugs with developers and pushed builds onto QA servers.