Rahul Dharmaji

Graduate Student – Computer Engineering r.dharmaji@uci.edu – <u>iika.re</u>

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University of California, Irvine M.S. Electrical & Computer Engineering
Skills • Daily user of arch/i3 as a Linux development environment • Frequent usage of vim, git, and GNU make for personal coding projects • Experience in graphics programming and OpenGL+GLSL • Skilled in building user-oriented applications with C/C++ • Heavy user of LaTeX to write reports and format data • Able to create sh/bash/zsh scripts on-the-fly to expedite tasks
Projects meikyuu – Modular Graphics Engine · C/C++/GLSL (private repository) · · · · · · · · · 7/20 – present Using GLSL, and the OpenGL API, created shaders to simulate a volumetric fog effect on a 2D plane using Fractal Brownian Motion as a means to conserve compute capability over similar 3D effects. Implemented Gaussian/Kawase Blur shaders with variable kernel parameters. Created a custom build system in order to dynamically manage and integrate program assets into code. nodumi – Interactive Music Visualizer · C++/GLSL (
Valkyrie Robotics STEM Mentor, Director of Media

and laptops. Logged bugs with developers and pushed builds onto QA servers.