Lewis Setter

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| Objective |  |
| An internship with a focus on elements from both hardware and software |  |
| Education |  |
| Colorado School of Mines | May 2019 |
| * B.S. Electrical Engineering * Computer Science Minor * 3.9 GPA * Related Coursework: embedded systems, analog devices, feedback control, data structures, engineering ethics, thermodynamics * Upcoming Coursework: DSP, electromagnetics, software engineering, algorithms |  |
| Skills & Abilities |  |
| Hardware |  |
| * Familiar with oscilloscopes and DMMs * Experience using microcontrollers in simple applications * Comfortable soldering on PCBs, assembling breadboards |  |
| Software |  |
| * Fluent in C++, working with C in embedded systems * Using MATLAB in the context of signal processing, system simulation, data collection * Fast problem solving in Python * Familiar with Verilog and EDA |  |
| Communication |  |
| * Presented weekly research updates to colleagues and professors to consider the best path forward for several research projects * Participated in making instructional videos for digital logic to expose new students to example design processes |  |
| Leadership |  |
| * Involved in coordinating offensive and defensive schemes in Rugby in practice and during live play * Currently leading a small research group by deciding the best ways to present data and assigning tasks to each member |  |
| Experience |  |
| Researcher, Energy Modeling Group  CSM Mechanical Engineering Dept | May 2017 to present |
| * Simulating energy use in single family homes to evaluate construction methods * Currently authoring a journal paper regarding cross laminated timber in construction * Helping set up instruments in a thermal science lab, developing a user interface in MATLAB |  |