

Curriculum Vitae

Matthew Lamont

- Phone: 720-300-3048
- E-mail: matthew.lamont@ucdenver.edu
- Website: <http://mattlamont.wordpress.com>
- LinkedIn: www.linkedin.com/in/lamontmatt



Profile

- 5 years of continuous experience working with a team and managing projects, including my work history and university projects.
- Work ethic: I work respectfully and professionally with individuals of all characters.
- Motivation: I am highly motivated to learn and expand my skills in engineering and computer science.
- Effective organization, planning, and time management.

University Education

- University of Colorado Boulder
 - Mechanical Engineering (B.S.)
 - Fall 2011- Spring 2012

First Year (2011-2012)

- Engineering Chemistry
- Calculus 1
- Solidworks CAD
- Freshman Group Projects
- Physics 1 and Lab
- Excel, VBA , and Matlab programming
- Laser Cutter , mill , lathe , and pneumatics training
- Electronics work (soldering , instrument use , circuit building)

- University of Colorado Denver
 - Computer Science and Engineering (B.S.)
 - Astrophysics (Minor)
 - Fall 2012-Spring 2016

First Year (2012-2013)

- Introduction to C++ programming
- Logic Design
- Calculus 2
- Intermediate C++ programming

- Discrete Structures
- Physics 2 and Lab

Second Year ()

- Differential Equations and Linear Algebra
- Data Structures
- Assembly Language

Third Year (Fall 2014)

- Hardware/ Software Interfacing
- Java Applications
- Computer Graphics
- Computer Game Design
- Principles of Programming Languages

Third Year (Spring 2015)

- Database Systems
- Graph Theory
- Software Engineering

Fourth Year (Fall 2015)

- Probability and Computing
- Theoretical Foundations of Computer Science
- Computer Science Senior Design Project Part 1
- Unix Systems Programming

Fourth Year (Spring 2016)

- Embedded Systems Programming
- Web API Technologies
- Computer Networks
- Computer Science Senior Design Project Part 2

Personal Education and Pursuits

- Writing programs with included 3D scenes or views by utilizing graphics libraries such as OpenGL
- Exploring and learning Linux's CLI tools (BASH)
- Android Application Programming
- Programming embedded systems such as Arduino and Microchip
- Participating in online courses for Python programming

Project Experience

- **Freshman Group Project:** I worked in a team of five undergraduate engineering majors to design and build a centripetal acceleration and inertia physics demonstration for the CU Boulder physics department.
- **Senior Design Project:** In the first semester I worked on a team with two other undergraduates to develop a 3D point cloud stitching and meshing prototype program for our client at NASA's Jet Propulsion Laboratory. The second semester, our team grew by two members as we continued to refine and add enhancements to the prototype.
- **Embedded Systems Project:** I was part of a team of five classmates that programmed an aerial drone to autonomously fly and accept flight commands through template/pattern recognition.
- **Solidworks Project:** I worked in a team of three mechanical engineering undergraduates to model and 3D print a scaled replica of the space shuttle.
- **Work Projects:** As a store supervisor, I must constantly coordinate with my coworkers in managing store operations, implementing product schematic sets, delegating tasks, and training new employees.
- **Class Coding Projects:** In nearly all of my computer science classes, I must work with groups of two or more individuals. To ensure effective source control and program implementation, I have found that frequent and open communication is optimal.

Work History

- **Cost Plus World Market (August 2014 - Current)**
 - Supervisor
 - Manage tasks and responsibilities of employees
 - Ensure employees are appropriately trained and following correct procedures
 - Responsible for store cash flow and bank deposits
 - Individually responsible for maintaining a section of the sales floor
- **Cost Plus World Market (October 2010 - August 2014)**
 - Furniture Lead
 - Build, maintain, and coordinate all furniture in store and warehouse
- **Darrell Meduna's Handyman Service**
 - Handyman's Assistant
 - Gained increased knowledge of wide range of tools

Internships

● University of Colorado Denver Mobile and Networked Systems Lab

- Lab Coordinator: Tam Vu (Ph.D)
- Project: Capacitive Touch Screen Communication
- Description: In this internship, I worked alongside graduate student Kha Man (Ph.D) in developing a wearable signet ring that could pass binary streams of data through capacitive touch screens. This technology had significance for individual security, authentication, and control of electronic devices with capacitive touch screens such as smartphones and tablets. During this internship, I spent most time on the software side including manipulating smartphone's kernel and developing test applications to capture and graph touchscreen events for analysis.