

Austin De Witt

Data Analyst | austin@asustindewitt.com | 971-235-8880 | Online Portfolio: AustinDeWitt.com

PERSONAL HIGHLIGHTS

- Instructor at Humboldt State University for 1.5 years, courses included Forest Road Design and Harvesting Operation Analysis
- Owned and operated my own Forestry Consulting company for 4 years: Delta Forestry Solutions, LLC
- Built a GPU altcoin mining rig as a personal passion project
- Built a delta style 3D printer as a personal passion project

TECHNICAL SKILLS

SQL, Python, Microsoft Excel, Microsoft Powerpoint, Google Suite, Optimization Algorithms, Technical Communication

EDUCATION

MissionU

Major: Data Analytics & Business Intelligence

San Francisco, CA

2017-2018

Oregon State University

MF: Forest Engineering

INTERESTS: Xi Sigma Pi National Forestry Honors Society

Corvallis, OR

2011-2013

Oregon State University

BS: Forest Engineering

INTERESTS: Xi Sigma Pi National Forestry Honors Society • Phi Gamma Delta

Corvallis, OR

2006-2011

TECHNICAL PROJECTS

IDEO Design Thinking Challenge

- Designed an application to increase gratitude in the workplace
- Conducted qualitative research by interviewing 35 employees about their experiences with gratitude
- Received "Most likely to impress IDEO" distinction from panel of professional designers

Spillover Effects from Inclusion of Students with Autism in the Classroom

- Cleaned and wrangled data from over 35 public school data sets
- Conducted regression analysis showing a positive correlation between inclusion and test scores
- Presented insights from my findings using data visualizations made in Tableau and google slides

Independence for Dependents

- Designed a mobile application prototype to enable disabled individuals greater autonomy
- Interviewed families who have members with a disability to gain insights into their needs
- Received "Most likely to be acquired by Amazon" distinction from panel of judges

Aggregate Road Design

- Designed an experimental study to test the durability of rock aggregate used in forest roads
- Ran five ASTM standardized material tests on 12 samples from 3 rock sources and compared using student t-tests
- Ran regression analysis on subgrade stresses over time, measured using stress plates buried into road subgrade

Automated Road Design Using Heuristic Programming

- Modified a simulated annealing heuristic algorithm in C++ to optimize forest road design
- Program reads in topographic elevations and determines road construction location by balancing conflicting goals
- Created 3D topographic models to visually represent results

TECHNICAL EXPERIENCE

Delta Forestry Solutions, LLC - Independent Business Owner, Utility Forestry Contractor

- Ran break even analysis and economic productivity analysis to determine work equipment purchases
- Created excel reports and summaries for projects with over five thousand trees, each with 4-6 attributes

COMMUNICATION AND PROJECT MANAGEMENT EXPERIENCE

Delta Forestry Solutions, LLC- Independent Business Owner, Utility Forestry Contractor

Woodland, CA Jan 2014 - March 2018

- Led in-house crews of 3 to 6, and managed contracted crews of 12 to 15 to complete 4-6 month long projects
- Negotiated tree and vegetation cutting agreements with over 300 landowners

Humboldt State University - Instructor and Lecturer

Arcata, CA Aug 2013 - December 2014

- Taught 5 courses over the course of 1.5 years.
- Created all curriculum including lectures, labs, assignments, and exams and worked 1 on 1 with students to ensure learning
- Accrued over 400 hours of technical speaking experience through class and lab lectures