

Olivia Hall, E.I.

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LinkedIn: www.linkedin.com/in/olivia-hall-ei

GitHub: <https://github.com/ohall1223>

Portfolio: <https://ohall1223.github.io/Portfolio/>

Qualifications

- Like hands-on work within a team environment.
- Good at resolving problems and thinking logically, analytically, and creatively.
- Proficient with programming languages such as CSS, HTML, JavaScript, JSON, MySQL, MongoDB, Express.js, and React.js.
- Proficient with civil engineering computing programs such as SolidWorks, MATLAB, AutoCAD, Mathcad, RAM Steel, and ProSteel, EPA Net, Microsoft Word and Excel, EnerCalc, RetainPro.
- Comfortable with writing, concisely and professionally.

Education

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| 2021-2022 | University of Denver Full Stack Coding Bootcamp |
| 2016 | Red Rocks Community College Civil 3D drafting course |
| 2008-2013 | University of Colorado at Denver School of Engineering and Applied Sciences Major: Engineering-Civil Engineering GPA 3.30 |

Experience

8/19-12/20 Lead Drafting Engineer, Elite Environmental Controls

- Responsible for drafting environmental control plans for the cannabis industry. My responsibilities included:
 - Drafting CO₂ lines from the tank, to the safety valve, to the flow box, which distributed CO₂ to the various grow rooms.
 - Drafting wiring plans including sensor & alarm schematics and wiring from CO₂, temperature and humidity sensors to the environmental control panel to the CO₂ alarms.
 - Drafting safety valve schematics, control panel schematics & flow box schematics.
 - Thoroughly researching the CO₂ enrichment building codes in Colorado, California, Michigan, Massachusetts & Maryland.

10/17-12/18 Lead Drafting Engineer, Universal Grow Controls

- Responsible for drafting carbon dioxide enrichment and irrigation plans for the cannabis industry. My responsibilities included:
 - Drafting CO₂ lines from the tank, to the safety valve, to the flow box, which distributed CO₂ to the various grow rooms.
 - Drafting wiring plans including sensor & alarm schematics and wiring from the CO₂ sensors to the control panel to the CO₂ alarms.
 - Drafting safety valve schematics, control panel schematics & flow box schematics.
 - Thoroughly researching the CO₂ enrichment building codes in Colorado, California, Michigan, Massachusetts & Maryland.

- *Drafting piping and instrumentation diagrams for irrigation systems including various methods of dosing water with nutrients.*

05/14-06/15 Engineering Consultant, Alliance Engineering LTD

- *Responsible for consulting and design of several civil engineering disciplines including*
 - *Foundation design for residential buildings*
 - *Parcel layout for subdivisions*
 - *Beam design for residential and commercial buildings*
 - *Flood plain development permits, including flood plain cross sections*
 - *Water and waste-water system layouts*
 - *Retaining wall and flood wall design*
 - *UDFCD Drainage Studies and Detention Basin Sizing*

10/13-05/14 E.I., Tower Engineering Professionals, Inspections team

- *Responsible for inspecting towers and drafting reports for clients*
 - *Performing inspections involves climbing towers, taking measurements, notes and photos of essential elements for later review*
- *Responsible for drafting reports, based on notes and photos taken during inspections, for clients on AutoCAD pertaining to cellular towers foundations, structures, mounts and antennas*

4/12-8/12 Intern, CH2M Hill, Energy & Chemicals Structural team

- *Performed several tasks for engineers, calculation and administrative work for mining and refinery projects*
- *Became proficient at several engineering design programs (noted above)*
- *Gained experience in the process and management of taking a project from bid, to design, to manufacturing/construction*

Certifications and Honors

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|--------------|--|
| 08/13 | <i>Outstanding Undergraduate Student in Civil Engineering (Faculty Nominated)</i> |
| 12/12 | <i>Fundamentals of Engineering certification exam</i> |
| 11/11 | <i>ACI Concrete Field Testing Technician- Grade 1</i> |

Interests

- *Helping businesses and individuals have the online presence they need to succeed.*
- *Offering a creative eye to website design to create an experience that is concise and pleasing to the user.*

References

Available upon request