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JACOB SOUTHER

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EMPLOYMENT

Software Support Specialist   **Ellab Inc.**   **June 2017 - Present**
- Implemented family style validation approach for rental laptops reducing laptop preparation time by 96%.
- Provided timely solutions to customer issues through research and troubleshooting.
- Trained new employees and customers on correct and efficient use of company software.
- Collaborated internationally with European colleagues to troubleshoot software and document bugs.
- Designed and cut foam inserts for equipment carrying cases using Google SketchUp and HeeksCNC.

Validation Engineer   **Ellab Inc.**   **July 2016 – June 2017**
- Authored and executed validation documentation including protocols, summary reports and procedures.
- Analyzed and interpreted data according to qualification acceptance criteria.
- Teamed with customers to develop documentation, schedule projects and communicate results.
- Performed calibration and verification of equipment.

EDUCATION

Corvallis, Oregon   **Oregon State University**   **Summer 2017 – Spring 2021**
- B.S. in Computer Science, GPA: 3.76
- Undergraduate Coursework: Algorithms, Data Structures, Operating systems, Databases, Web Development, Assembly, UX design.

Boulder, Colorado   **University of Colorado**   **Graduated 2016**
- B.S. in Chemical and Biological Engineering

Projects

- **Equipment Manager (Node.js, Express, MySQL, JavaScript)** – Web application for tracking user, IT equipment, and documents. A variety of users and equipment types are tracked using a MySQL database. Table items can be added to, removed, or edited via the website interface.

- **Ranger Danger (Text Based Video Game) (*C++*)** – Video game played via the terminal. A map is printed to the terminal which the player must navigate. Players navigate the map to find and rescue lost hikers while managing resources and fighting against the clock. Random events occur during the game to keep players on their toes.

- **Portfolio Website (*Bootstrap, HTML, CSS, JavaScript)*** – Personal website housing my computer science projects.

Skills

Languages: C++; Python; JavaScript; HTML; CSS
Tools: Git; Node.js, Express/ SQL, Bootstrap

Accomplishments

- Eagle Scout (2012)