

# Alec Matthews

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<https://github.com/alec500oo>

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## Education

### Oregon State University

Bachelor of Science in Electrical/Computer Engineering  
Minor in Computer Science  
*senior in Electrical/Computer Engineering*

### Hood River Valley High School

*Class of 2017*

## Work Experience

### Electrical Engineer

Hood Tech Vision, Inc. Hood River, OR 97031  
(541) 490-9099

- Design and implement Microsoft Windows software for aerospace systems.
- Evaluated embedded system code for mission critical flight imaging systems.

*2017-Present*

### Alpine Ski Instructor

Mt. Hood Meadows, Mt Hood, OR 97041  
(503) 337-2222

- Taught adults and children to ski with hour, day, and private lessons.

*Season of 2015-2016*

## Skills

**Leadership:** Lead a group of boys as senior patrol leader throughout my career as a scout.

**Public Speaking:** Spoke at conferences about STEM education.

**Computer Programming (C, C++, C#, Python):** Designed and implemented software in many languages and formats.

**Electronic circuit design and construction:** Designed and build circuits for aerospace systems.

**Embedded device electronic design and programming:** Constructed a CPR training mannequin with embedded device practices.

**Software engineering and design:** Designed large software systems that are in use on countless aerospace systems.

## Achievements

Eagle Scout Rank; obtained 2015

Honor Roll; 2013-Present

Black Belt (Taekwondo); obtained 2013

## References

Available on request.