



**Who?** Hi there! I'm Andy from Milwaukee WI and Portland OR, currently living in San Diego after college in Boston. It's a pleasure to meet you, and I would love to introduce myself further. Please contact me, or visit [atratt.com](http://atratt.com) to view a cover letter.

**What?**

**Software**, Jun—Aug 2013

In high school, I interned with the SE-FIT team at Portland State.

**International Space Station Research**, Jun—Aug 2013

Also operated a \$17M experiment with astronauts. [Link to paper](#).

**CAD and Systems Testing**, Sep 2013—Jan 2014

Interned with drone startup HoneyComb (precision agriculture).

**James Webb Space Telescope Engineering**, Jun—Aug 2015

3D printing (AM) and structural analysis at Northrop Grumman.

**Social Engineering**, Sep 2015—Aug 2016

MIT hired me as a tour guide and TA for a couple classes.

Co-founded and led 501c3 nonprofit Lean On Me, raised over \$50k.

**Banking in Barcelona**, Feb—May 2017

Honed my Spanish on the social media team at CaixaBank HQ.

**U.S. Presidential Scholars Program**, June 2017

Ran White House program at Dept. of Ed. and sat on alumni board.

**Venture Capital**, May—Aug 2017

Sourced, analyzed early stage deals alongside partners of new firm.

SE♦FIT



**Where?**

**Portland State University**

high school LINK program

2012 — 2013

-Linear Algebra

-Differential Equations

-Multivariable Calculus

-Intro to Real Analysis

**Massachusetts Institute of Technology**

2014 — 2018

B.S. 18c Mathematics with Computer Science (6 semesters)

-6.005 Software Construction

-18.404 Theory of Computation

-16.001-4 Unified Engineering

-18.415 Advanced Algorithms

**How?**

Languages

*python, java, web, L<sup>A</sup>T<sub>E</sub>X, matlab, visual basic, Spanish*

CAD and FEM

*catia, solidworks, autodesk, femap, patran, nastran*

Rapid Prototyping

*power tools, 3D printing, CNC lasers, duct tape*

Strategic Communication

*grants, technical writing, public speaking*