

# NATHAN FONG

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## SKILLS

- Basic knowledge in Autodesk AutoCAD, Revit, Fusion 360, Inventor, and Maya
- Basic knowledge in Lumion
- Fundamental understanding of Python, HTML, CSS, and Java
- Microsoft Excel, Powerpoint, Word

## EDUCATION

*Bachelor of Science :*  
Architectural Engineering

**Oregon State University**  
Corvallis, OR • Expected in 05/2026

*High School Diploma*

**Walnut High School**  
Walnut, CA • 05/2022

*Project Lead the Way*

- Computer Science Essentials
- AP Computer Science Principles
- AP Computer Science A
- Cybersecurity

*Clubs*

- Member of FIRST Tech Challenge Robotics Team, 2017 - 2022
- Member of FIRST LEGO League Robotics Team, 2013 - 2017
- eSports Communication Staff and Club Cabinet Officer, 2018 - 2022

## CERTIFICATIONS

**EAST SAN GABRIEL VALLEY REGIONAL OCCUPATIONAL PROGRAM**

*Computer Aided Drafting/Design/Architectural Drafting*  
Walnut, CA • 05/2021

## SUMMARY

Student with over seven years of experience in FIRST robotics programs. Consistently working in building and design. Strengths in Computer Aided Drafting. Currently majoring in Architectural Engineering at Oregon State University.

## WORK EXPERIENCE

**Julia Y. Chen Design Inc. - Summer Architectural Drafting Project**  
*Fairfax, CA • 06/2021 - 07/2021*

- Initial Design and Layout of an Accessory Dwelling Unit using Autodesk Revit and AutoCAD

## TECHNICAL COURSES

- Computer Aided Design and Drafting 1 & 2
- Computer Science Essentials
- AP Computer Science Principles
- AP Computer Science A
- Cybersecurity
- AP Physics 1 & 2
- IDTech 3D Modeling with Autodesk Maya
- IDTech JavaCoding Camp
- Stem Center USA Electronics 101

## OTHER TECHNICAL EXPERIENCE

**FIRST Tech Challenge - Robot Build and Design Committee Captain**  
*Walnut, CA • 05/2017 - 05/2022*

- Volunteered for FLL and FTC events in various positions.
- Established team communication standards
- Worked with the team coach to resolve robot design/execution issues.
- Led the build team in creation of the robot and unifying design concepts.
- Searched for parts and materials to research and apply to the robot.
- Worked with team programmers to understand optimal sensor placements.
- Successfully managed deliverables in robot design.

**FIRST LEGO League - Robot Build Captain**  
*Walnut, CA • 05/2013 - 05/2017*

- Developed team communications and information for build meetings.
- Directed members to blend and accommodate ideas from all members into the robot.
- Wrote code for the robot's positioning logic with sensors.

## ACCOMPLISHMENTS

- EAST SAN GABRIEL VALLEY REGIONAL OCCUPATIONAL PROGRAM - Computer Aided Drafting/Design/Architectural Drafting
- LAFTC Championships Dean's List Award Semi-Finalist Winners, 2020
- FTC Collins Aerospace Innovate Awards, First Place, 2018 and 2019
- Advancement to FTC Super Regional Championship, 2018
- Advancement to FTC Regional Championships, 2018, 2019
- FTC Robot Game Winning Alliance, 2018
- FLL Regional Championship Inspiration Award, 2017
- Advancement to FLL Invitational Championship, 2017
- Advancement to FLL Regional Championships, 2014-2017 FLL Qualifying Tournament - Champions Awards, 2015, 2016