Avacado Plux

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a Walnut, CA 525659

SUMMARY

Student with over seven years of experience in FIRST robotics programs. Consistently working in building and design. Strengths in Computer Aided Drafting.

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

Walnut High School
Walnut, CA • Expected in 05/2022

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

Project Lead the Way
- Computer Science Essentials
- AP Computer Science Principles
- AP Computer Science A
- Cybersecurity

CERTIFICATIONS

EAST SAN GABRIEL VALLEY REGIONAL OCCUPATIONAL PROGRAM
Computer Aided Drafting/Design/Architectural Drafting
Walnut, CA • 05/2021

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
- Computer Aided Design and Drafting 2
- Computer Science Essentials
- AP Computer Science Principles
- AP Computer Science A
- Cybersecurity (In progress)
- AP Physics 1 & 2 (In progress)
- 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 - Current

- Volunteered for FLL and FTC events in various positions. Developed team communications and information for build meetings.
- 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 experiment and build the robot.
- Worked with team programmers to understand optimal sensor placements.
- Maintained excellent attendance record, consistently arriving to work on time.

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. Maintained excellent attendance record, consistently arriving to work on time.

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
- Single-handedly managed the successful upgrade and deployment of new environmental illumination system with zero cost overruns and zero safety accidents.
- 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