

# ALEX MACLEAN

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## EDUCATION

### California Polytechnic State University, San Luis Obispo

Bachelor of Science, **Computer Science**, expected June 2022

Current GPA (through Winter 2019): 4.0

#### Relevant Coursework:

- Fundamentals of Computer Science
- Intro to Computer Organization
- Project-Based OO Programming
- Systems Programming
- Data Structures
- Calculus I, II, III
- Linear Algebra I
- Physics I, II
- Public Speaking
- Technical Writing

## SKILLS

- **Basic Programming Knowledge:** C#, Java, Python, and ANSI C
- **General Knowledge:** Internet and computer tools
- **Version Control Experience:** Subversion, Git, GitHub
- **Android Phone Applications:** Java and C# Xamarin
- **Web Development:** ASP.Net Core, Html, CSS, and JavaScript

## RELATED EXPERIENCE

### Math Adventure | Summer Intern | Bellevue, WA

July – September 2018

- Developed a tool to register people for events using ASP.Net Core, SQL Server and Azure
- Created interfaces to register for events manage registrations, detect duplicate registrations, and manage events

### Microsoft | Summer Intern | Redmond, WA

June – September 2017

- Worked for 10 weeks on the Cloud Computing and Storage Team at Microsoft Research
- Implemented features, such as templates and user management to Deep Learning workspace, a tool for running distributed deep learning jobs on large computer clusters
- Improved Python APIs for deep learning job scheduling

### MacCoss Lab, UW Genome Sciences | Summer Intern | Seattle, WA

July – September 2016

- Added to the Skyline software one and two dimensional histograms for displaying mass errors
- Wrote automated C# unit tests to ensure software was functioning correctly
- Fixed various bugs throughout the program and added other small features

## AWARDS

- Dean's List, Cal Poly SLO: Fall 2018, Winter 2019
- 1st place, advanced division, 2016 PLU high school programming competition
- 1st place, advanced division, 2016 spring PSCSTA high school programming competition
- Innovation in Control award at Mt. Vernon FIRST Robotics competition, for image recognition

## LEADERSHIP & INVOLVEMENT

- Cal Poly Triathlon Team September 2018 – Present
- Cal Poly Hammock Club September 2018 – Present
- Boy Scout Troop 186 (Eagle Scout) June 2012 – April 2018