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 Spring 2021): 4.0

Relevant Coursework:

- Design and Analysis of Algorithms
- Graduate Languages and Translators
- Project-Based OO Programming
- Knowledge Discovery from Data
- Data Structures
- Computer Architecture
- Systems Programming
- Programming Languages
- Bioinformatics Algorithms
- Cryptography Engineering
- Technical Writing

SKILLS

- **Basic Programming Knowledge:** Python, Racket, C#, Java, R, Elixir, BASH, C++, and C
- **Version Control Experience:** Git, GitHub, Phabricator, Subversion
- **Web Development:** Html, CSS, Sass, and JavaScript, Typescript, React
- **DevOPs Knowledge:** Docker and Terraform

RELEVANT EXPERIENCE

Dropbox Inc. | Summer Intern | San Fransico, CA (virtual)   June – September 2021
- Built and improved user experience flows in the business admin console using Typescript React   June – September 2020
  and Python
- Collaborated with an interdisciplinary team to build, test, and deploy features
- Implemented gating and A/B testing to analyze the business impact of changes

Rose Point Navigation Systems | Summer Intern | Redmond, WA   June – September 2019
- Updated legacy Ruby on Rails service framework to use modern libraries and language standards
- Used Docker to migrate corporate website from bare-metal server to container on Docker swarm
- Added centralized metrics and log harvesting to production swarm

Math Adventure | Summer Intern | Bellevue, WA   July – September 2018
- Developed 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 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

AWARDS

- Dean's List, Cal Poly SLO: Fall 2018, Winter 2019, Spring 2019, Fall 2019, Winter 2020, Spring 2020, Fall 2020, Winter 2021,
  Spring 2021
- President's List, Cal Poly SLO: AY 2018-2019, AY 2019-2020, AY 2020-2021
- 1st place, advanced division, 2016 PLU high school programing competition
- 1st place, advanced division, 2016 spring PSCSTA high school programing competition

LEADERSHIP & INVOLVEMENT

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