Sage Meadows

SageM5862@gmail.com
smmeadow@calpoly.edu

Website: www.pixelfox.me

EDUCATION

California Polytechnic State University - San Luis Obispo

2nd year | Junior Standing | Graduation Year: 2024 | B.S. Computer Science | GPA: 3.95

Mira Costa High School (MCHS) - Manhattan Beach

Graduation Year: 2020 | Unweighted GPA: 4.0 | Weighted GPA: 4.31

WORK EXPERIENCE

Northrop Grumman, Space Park — *Software Engineering Intern*

June 2021 - PRESENT (full-time summer internship + part-time over the school year)

- Developed software to route air vehicles utilizing C++, Jenkins, CMake, and Git. Worked on developing a Pd Heat Map to assist in routing air vehicles.

June 2020 - August 2020 (full-time summer internship)

- Developed software on an Agile team for ground combat systems utilizing Java, Javascript, Android Studio, and Git.

June 2019 - August 2019 (full-time summer internship)

- Developed software to route air vehicles utilizing C++, Jenkins, CMake, and Git. Worked on optimization algorithms to assist in routing air vehicles.

Anita L. Nelson, MD (UCLA Professor) and LeRoy Nelson (LA Robotics Treasurer), Manhattan Beach CA — *Technical Assistant*

September 2018 - January 2021

- Maintained and updated a Google Sheet that held information on 300+ LAUSD robotics teams and 132 LAUSD schools
- Performed tasks utilizing Excel, Outlook, and PowerPoint
- Updated the LA Robotics Nelson Team Grants Website (larobotics.org)
- Made medical copies, composed emails with Outlook, and organized files
- Helped manage Nelson Team Grants financial records and reports
- Set up LARobotics equipment such as routers

Manhattan Beach CA— *Math Tutor*

January 2018 - January 2020

- Tutored math all levels up to Calculus

LEADERSHIP/ACTIVITIES/COMMUNITY SERVICE

- **Developer at Hack4Impact** (5 hrs a week) (August 2020 - June 2021)
  - https://github.com/hack4impact-calpoly/hospice-of-slo
  - Full-stack development with MERN stack (MongoDB, Express, React, and Node JS) for non-profit partners.
  - Developed a doula volunteer management system on a team for Hospice of San Luis Obispo.
- **Founder of CoderDojo Lawndale and CoderDojo South Bay Volunteer** (100+ hrs.)
  - Started non-profit program to teach children the basics of Computer Programming with Scratch
  - Ran a booth at F.D. Roosevelt Elementary School's open house
- **Northrop Grumman Space Park Code-a-Thon 2017** (24 hrs.)
  - Used Java to create and demo an app with a team in 24 hours
- **MLH Local Hack Day** (12 hrs.) (MCHS)
  - Created a game with Unity and C# with a team in 12 hours
  - Demoed the game at the end of the 12 hours and won for logic
- **President of Computer Science Club** (MCHS)
  - Gave weekly presentations about advancements in Computer Science
  - Organized food sales to raise money for F.D. Roosevelt Elementary School's computer lab, a low-income school. Ran booths at MCHS STEM night
- **CyberPatriot Team Leader** (MCHS)
  - Participated in CyberPatriot Competitions (2017-2020)

SKILLS

- Java, C++, C#, C, and Python
- Web development in HTML, CSS, and JS
- Agile Software Development
- Microsoft Office Suite (Word, Excel, PowerPoint, Visio, Outlook)
- Game development in Unreal Engine 4 and Unity
- Calculus, Statistics, and below

AWARDS/HONORS

- Certificate of Recognition for Service in Computer Science - STEM (MCHS All Awards Program)
- NCWIT 2020 National Honorable Mention
- NCWIT 2020 Los Angeles Affiliate Award Winner
- NCWIT 2019 Award for Aspirations in Computing Certificate of Distinction
- Certificate of Achievement for Logic (MLH Local Hack Day)
- National Honors Society (NHS) (MCHS)

ACADEMIC AWARDS

- President's List for 2020-2021 (Cal Poly)
- Dean's List Fall 2020, Winter 2021, Spring 2021, Fall 2021(Cal Poly)
- Charlaine Deatherage Award — 4.0+ GPA (MCHS)
- Principal's Honor Roll — 3.5+ GPA (MCHS)
- AP National Scholar Award (2020)
- AP Scholar Distinction Award (2020/2019)