# Connor McKee
## Software Engineer

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Enthusiastic software engineer eager to contribute to team success through hard work, attention to detail, and excellent organizational skills. Motivated to learn, grow, and excel in software development.

## Education:

**California Polytechnic State University**        **San Luis Obispo, CA**        **09-2017 to Present**

- **Major:** Computer Engineering, B.S. (GPA: 3.44), Expected Graduation: 06-2021
- **Dean's List:** Spring & Fall 2019, Winter & Fall 2020
- **Programming Coursework:** Algorithms & Data Structures, Operating Systems, Databases
- **EE Coursework:** Circuit Analysis, Semiconductor Electronics, Digital Logic, Microcontrollers

## Experience:

**IT Technician**        **California Polytechnic State University**        **12-2017 to Present**
**San Luis Obispo, CA**

- Managed over 240 different workstations.
- Imaged and provisioned software onto staff workstations.
- Repaired damaged or unusable computers with software and hardware issues.
- Addressed issues involving networks and servers over LAN.

**IT Technician, Intern**        **Nabil IT Solutions Computer XP, Inc.**        **06-2018 to 08-2018**
**Stockton, CA**        **& 06-2019 to 08-2019**

- Key point-of-contact for clients, and walk-in customers.
- Repaired broken computer hardware from laptops to desktop machines.
- Managed and solved technical issues with local businesses' networks.
- Command-Line troubleshooting for Windows Operating Systems.

## Relevant Projects:

**GridFlow**        **09-2020 to Present**

A Java program to simulate the energized state of a largescale power grid developed for Vandenberg AFB.

- Implemented the JavaFX platform library for optimal visualization, drawing, and UI development.
- Constructed primary UI elements with FXML and the Scene Builder development tool.
- Refactored old project code to better follow Object Oriented techniques and organization.
- Structured visualization components to follow MVC (Model-View-Controller) principles.
- Added file saving/loading functionality through the JSON file format.
- Developed features in parallel with 4 total team members.
- Utilized: Java, JavaFX, Scene Builder, FXML, JSON, Git Kraken, Graph Organization, MVC, OOP.

**Gene Sequence Alignment**        **05-2020**

A Python program to align 2 string sequences of the 4 nucleic bases (adenine, guanine, cytosine, thymine).

- Implemented a bioinformatics dynamic programming algorithm to score string sequences.
- Calculated scores based on user-defined scoring matrix, storing values in a dynamic table.
- Recreated optimal string representations through pointer backtracking algorithm.
- Utilized: Python, File I/O, Dynamic Programming.

## Skills:

**Software:** Java, Python, C, Git, Unix, MySQL, C#, C++, Swift, System Verilog, HTML

**\*References available upon request\***