

# Jan William Haug

San Marcos, CA | P: +1 442 385 2004 | [haug002@csusm.edu](mailto:haug002@csusm.edu) | [LinkedIn](#) | [Portfolio](#) | [GitHub](#)

## EDUCATION

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### California State University San Marcos

Bachelor of Science

Major in Software Engineering

Relevant Coursework: Software Engineering, Software Project Planning and Management, Software Testing & Quality, Operating Systems, Data Structures & Algorithms, Mobile Programming, and Computer Science courses.

San Marcos, CA

Expected December 2023

### Yonsei University(South-Korea)

Study Abroad Program in Computer Science

Seoul, South Korea

Aug 2021 - Dec 2021

## WORK EXPERIENCE

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### Senior Capstone Project (Tandem Diabetes Care)

San Diego, CA

Software Engineer

Sept 2022 – Present

- We are building software that reads requirements documents, reconciles the tags and requirements, and then generates reports in Excel and Word, for Tandem Diabetes Care.
- This software is implemented in Python, and utilizes libraries and packages such as Xlwings, Python-docx, Pandas, and Matplotlib.
- Gained experience collaborating with a team of developers to build a functioning application that met user requirements.
- Improved project management skills by contributing to creating and maintaining project timelines and task assignments.
- Increased familiarity with agile software development methodologies, including sprint planning and daily stand-ups.
- Our software has the potential to significantly reduce the workload of engineers at Tandem Diabetes Care, saving them up to a week's worth of work and time.

## PERSONAL PROJECTS

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### HEALTH CALCULATOR

Oct 2022

- Developed proficiency in HTML, CSS, and Javascript to build a web-based health calculator that calculates the BMI (Body Mass Index) of the user.
- Gained experience in working with form elements, input validation, and event handling in JavaScript.
- Improved my understanding of responsive web design principles, ensuring the calculator works on different screen sizes and devices.

### AniMatrix - Personalized Anime Recommendation Platform

Mar 2023

- Designed and developed a dynamic web application, AniMatrix, leveraging Python, Flask, HTML, CSS, and JavaScript to offer users a visually engaging experience of exploring and discovering the most popular animes.
- Integrated an external API to fetch anime data, enriching the platform's content.
- Implemented a smart recommendation engine based on user input, optimizing user satisfaction and engagement.
- Incorporated user registration and login features, enabling users to save their favorite animes.
- Demonstrated strong proficiency in full-stack development, data analysis, and user experience optimization, delivering a value-driven solution to anime enthusiasts like myself.

## ADDITIONAL EXPERIENCES

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### Fitness24Seven – Oslo, Norway

Oslo, Norway

Front Desk Manager

(Seasonal) June 2021 – July 2022

- Effectively ran client, event, and front desk management.
- Created a safe and comfortable environment for members to work out in, by maintaining a clean facility.

**Technical Skills:** Python, Java, C++, C#, HTML, CSS, JavaScript, Java, Kotlin, React, AWS, GCP, web development.

**Soft Skills:** Excellent problem-solving ability, Excellent writing skills, and Great team communication skills.

**Languages:** Bokmål, Norwegian (Native), Tagalog (Elementary proficiency).

**Certifications & Training:** C# Programming For Unity Game Development Specialization (Coursera), Introduction To Artificial Intelligence (Coursera), Introduction To Android Mobile Application Development (Coursera)

**Activities and societies:** Google Developer Student Club (GDSC), Association for Computing Machinery (ACM), IEEE Club.