

# KUOHSIEN DEN

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## ABOUT ME

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I am an **aspiring, self-educating software developer** with **1 year of experience**. I am passionate about helping others solve their problems, and I can best do that through automating their organizational and story-telling processes via code. My background as an art curator increases my focus on **data communication** and **user-centered design**.

## EDUCATION

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**freeCodeCamp** 2022 – 2023  
Certificates: Back End Development, Python Fundamentals, Data Analytics with Python, College Algebra with Python

**Foothill College** Mar 2022 – Aug 2023  
AS, Mathematics, 4.0 GPA

**Activities:** Gender & Sexualities Alliance Club (GSA), Math Club (STEM Club branch)

**Awards:** Business Innovation Challenge 2022: \$500 second place prize for software prototype for school loans eligibility

## WORK EXPERIENCE

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### TZU CHI FOUNDATION

**Junior Software Developer** Feb 2023 – Present

- Created 3 Python automation and ingestion tools to help optimize database and backend operations

**Junior Database Administrator** Nov 2022 – Feb 2023

- Assisted with backend data system management in accordance to HIPAA guidelines

**Receptionist** May 2019 – Nov 2022

- Managed the front desk phone, greeted all in-person patients, and carefully inputted forms into system

### FREELANCE

**Software Developer** Feb 2023 – Present

- Combination of pro bono and commissioned software, data analytics, and data engineering work

**Computer Science & Math Tutor (Wyzant)** Sep 2021 – May 2022

- Tutored 65 hours across 35 students in mathematics and computer science topics

### FOOTHILL COLLEGE

**Database Intern** Sep 2022 – Dec 2022

- Assisted with database management and backend office tasks (paperwork, data entry, data querying, emails)

**Math Leader and Tutor** May 2022 – Dec 2022

- Led working sessions and tutored 30 hours to 10 students in Calculus IV and Calculus III courses

**KAPP KAPP, AND OTHERS (Aggregated)** Jun 2016 – Mar 2020

### Art Curator

- Researched and curated art pieces for shows and museums for nearly 2 years (see LinkedIn for details)
- Performed story-telling and organization for art data while presenting results to groups of non-technical people

## SELECTED PROJECTS ([FULL PORTFOLIO](#))

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**Deepfake Image Classifier App** | [Source](#) May 2023

Python: Matplotlib, Numpy, Pandas | Tensorflow: Keras | Streamlit

- Developed a full-stack app that uses machine learning to detect deepfake images, up to 0.99 precision.

## SKILLS & FLUENCIES

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- **Languages:** Python: OOP & Functional, HTML/CSS/JS, APIs, Git
- **Database, Cloud, DevOps:** SQL, NoSQL, AWS, Streamlit

## HOBBIES

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Coding • Art Galleries • Boardgames • Teaching/Tutoring