

# VINCENT TIEU

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## EDUCATION

**University of California Santa Barbara (UCSB)**  
Computer Science

**Expected December 2021**  
GPA 3.72

## WORK EXPERIENCE

**Undergraduate Learning Assistant**, March 2021 - Present

University of California, Santa Barbara

- Mentored 2 teams of 4-5 students in a project-based course focused on developing full-stack web apps, teaching them Agile, React, NodeJS, NoSQL, Git, and app deployment.
- Wrote teaching material, developed starter code for React with Google OAuth, and helped in organizing a class for 35+ students over Zoom.

**Web Developer Intern**, February 2020 - March 2020

Ugig Research | <https://ugig.app/>

- Assisted in developing, creating, and adjusting web features and components within Django.
- Redesigned important web forms to enhance user experience and so customers could better communicate with their clients.

**Private Tutor**, February 2018 - June 2018

- Prepared two students for an advanced placement exam by providing lesson plans and homework tailored to their needs.

## PROJECTS

**MusicMap** in React CRA, 2021

<https://vincentktieu101.github.io/MusicMap/>

- Created an interactive web app for discovering music across 5,000+ genres and 500,000+ songs.
- Programmed the audio player, music map, and user tools into separate and compact React components.

**FreeFromClass** in React NextJS, 2020

- Built frontend web forms along with backend REST APIs to deliver and receive data between the client and the database on MongoDB.
- Wrote 55+ end-to-end test cases in Cypress to simulate common user actions like submitting and viewing data, which ensures app reliability throughout continual development.

**Tetris Game** in Python and Pygame, 2019

- Programmed Tetris clone from scratch, creating game rules, visual components, and user controls.
- Fine-tuned the app with various difficulty settings and incorporated 8-bit music that I composed.

## SKILLS

**Programming:** Javascript, Python, C++, Java, MongoDB, Firebase, PostgreSQL, HTML, CSS, Git

**Frameworks:** React (CRA, NextJS, GatsbyJS), NodeJS, Django, Flask

**Soft Skills:** Desire to learn, Communication, Teamwork, Creativity

## ADDITIONAL NOTES

**UCSB College of Engineering Honors**

**The Matador Alumni Scholarship** in community service, 2018

**Personal Website** at <https://vincentktieu101.netlify.app/>