

# Ivan Yeung

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## Experience, Projects & Professional Development

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### **Creator - DreamMate**

Built a robust social networking platform for creators featuring posts, profiles, messaging, and personalized feeds. Skillfully designed and coded 20,000 lines in 3 months. (JS, NextJS, Firebase, NodeJS, Stripe, and Algolia)

Independent, CA  
Dec 2022 - Present

### **Creator - Prodicity**

Developed an engaging live-streaming platform offering streaming, live chat, voting, announcements, event posts, and discoverability. Efficiently designed and coded 40,000 lines in 4 months. (JS, NextJS, Firebase, NodeJS, Stripe, Agora, and ChartJS)

Independent, CA  
Aug 2022 - Nov 2022

### **Cal Hacks - Mindful AI**

Collaborated with a team of 4 to create an AI service that identifies microaggressions in messages/texts. Integrated Cohere's NLP models to provide suggestions for messages/texts. (Python, JS, Keras, Cohere, and NextJS)

San Francisco, CA  
Sep 2022

### **Deep Learning Specialization**

Completed an intensive 5-month course on deep learning techniques and applications. Gained hands-on experience with DNNs, CNNs, RNNs, transformers, optimization, and regularization methods.

Independent, CA  
Feb 2023 - Mar 2023

### **USACO Silver Division**

Attended my first USACO contest and successfully achieved Silver Division in the USACO 2023 US Open, utilizing strong problem-solving and programming skills. (C++, Python3)

Independent, CA  
Mar 2023

### **Creator - Snake AI**

Trained a deep neural network using a genetic algorithm to play the game Snake autonomously. Implemented advanced techniques such as binary crossover, a specialized fitness function, and Gaussian mutation. (Python, PyTorch, Pygame)

Independent, CA  
Apr 2022

### **Co-Founder - Prodicity**

Developed a gamified productivity app, enhancing user motivation and engagement. Led a team of 10 in development and UI/UX. (JS, ReactJS, NodeJS, Express, MongoDB, Mongoose)

Independent, CA  
Apr 2022 - July 2022

### **Co-Founder - HexaHacks**

Co-established a Cupertino-based hackathon for high school students, promoting innovation and collaboration. Successfully raised \$2,000 in funds and hosted a virtual hackathon. (HTML5, CSS, JS)

Nov 2019 - Mar 2020

## Education

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### **De Anza College - Dean's List**

Computer Science for Transfers, GPA 3.91

Cupertino, CA  
June 2020 - June 2023

## Additional

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- Hackathons: TreeHacks (Stanford University), CalHacks (UC Berkeley)
- International: Fluent in English (native) and Chinese (C2 European reference), developing Russian understanding (A1 European reference)