

# David Jimenez

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## EDUCATION

**The City College of the City University of New York**

Bachelors of Engineering, Computer Engineering: Jan 2023      GPA: 3.33

## RELEVANT COURSES

Algorithms	Comp Org & Lab	Computer Vision
CpE Lab	Data Structures	Operating Systems
Scientific PRG	Senior Design (ML)	Software Engineering

**QUALIFICATIONS** *Design Software:* Xilinx, Matlab, Logisim, MultiSim, MPLAB

*Programming Languages:*

**Proficient in:** C/C++, Python, React.js, Java, MIPS, SQL

**Experience in:** VHDL, TASM, HTML, AWS, MongoDB

## PROJECTS ([Github](#) | [HackerRank](#))

### [CCNY Chatbot \(Janus\)](#)

Aug 2021-Dec 2021

- Collaborated in a five-person team to design and tune a full-stack single turn NLP chatbot with distilled BERT in Python, React.js UI, Django database, and AWS model deployment.
- Features include CCNY user query response, website navigation assistance, and user feedback storage.

### **Esports Prediction Model**

Apr 2021 - May 2021

- Four-person team analyzed and preprocessed game data from international League of Legends esports leagues, and designed a logistic regression model in Python to predict esports matches results with a 63% accuracy.

### [GradSchoolZero](#)

Aug 2021-Dec 2021

- Five-person team designed a web graduate school management system software using React.js UI, and MongoDB database.
- Different user types (ex. Instructor) were designed with varied capabilities such as viewing course information, enrolling, assigning grades, or issuing suspensions.

## WORK HISTORY    **Founder & Sole Developer, [Function](#) App**

Oct 2024-Present

- Originated and built a social matchmaking platform connecting users based on shared interests, Function.
- Completed browser-based MVP with React (web) and React Native (mobile) front ends; Google Cloud and MongoDB Atlas architected backend.
- Real-time chat and notifications via WebSockets and matchmaking algorithms to support thousands of concurrent users (private GitHub available on request).