

Vinit Miranda

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5th June, 1997

Education:

The University of Hong Kong 2015 – 2019
Bachelor of Engineering Computer Science – Full scholarship – GPA 3.41



Nanyang Technological University Jan – May 2018
Exchange Program



Work Experience:

Freelance – Interactive Artist Present

- Led a team of individuals to build interactive instruments using makey-makeys and teach children with special needs music in the Philippines at Pdad Mandaluyong
- Currently engaged in an ongoing collaborative project with ARTBAT, focused on the development of accessible auto-quantized instruments for school workshops.
- Constructed an interactive wall using TouchDesigner to showcase distortions of album art. This display was featured at ARTBAT's exhibition on the 8th of April.



Yellow Frog Media – Sound Engineer Aug 2022 – Present



- Actively involved in the installation and setup of speaker systems at various prominent clubs, including Iron Fairies, located in Lan Kwai Fong, a renowned entertainment district in Hong Kong.
- Involved in audio and video production at Union Church Hong Kong and playing bass for the church band

Aura Labs – Senior Software Engineer July 2022 – Aug 2022



- Developed a robust front end using React Typescript with GraphQL and a backend in Nest for Aura Labs' dashboard for several property developers

Morgan Stanley – Technology Associate Jun – Aug 2018 | Aug 2019 – July 2022



- Developing and supporting a proprietary application for the lifecycle management of structured products
- Translating business requirements into functional requirements by interacting with the front office and being involved in all phases of SDLC of the proprietary application using agile methodologies
- Lead developer on a project to collect business metrics using python across different applications and publishing them on a tableau dashboard in the structured products business
- Worked on a project to automate and streamline sales and trader's actions on the proprietary application which increased the volume of deals traded by more than 10x
- Translating business requirements into functional requirements by interacting with the front office and being involved in all phases of SDLC of the proprietary application using agile methodologies

Bitex (Subsidiary of Avalok Capital) – Intern Oct – Dec 2017



- Built a duplicate news removal system using NLP that analyzes more than 300,000 news entries and removes duplicates, within a few seconds

Skills (Programming):

- Java and Scala
 - Spring Boot – Spring MVC, Lombok, Swagger, JUnit, JPA, Cloud Gateway
 - GUI, Concurrency, Networking
- Build System – Gradle, Maven
- Testing – Cucumber, JUnit, Mockito
- DevOps & CI/CD – Jenkins, Teamcity
- Python – Numpy, Pandas, Scikit-learn, Keras
- Cloud Technologies – AWS, Docker
- Database – IBM DB2, Sybase, Spring JPA, Kafka, Liquibase, SQL, Postgresql, MongoDB
- C# – WPF UI Developer
- Web development – React, Nest, TypeScript, Spring MVC, Django, Node.js
- Version Control – Git
- APM & Metrics – AppDynamics, Tableau, Splunk
- Scripting – C, C++, Linux and Bash

Skills (Artist):

- Visual Programming Languages – Max MSP, TouchDesigner
- Software Synthesizers – VCV Rack 2
- DAWs – Ableton / Logic
- Web / App Development – Kotlin, Java, Scala, Python, C#, C++, Arduino
- Bass guitar, synthesizers, piano, drum machines

Projects (Programming):

- Built an application using audio & image processing to map real-time guitar audio to a virtual fretboard
- Built an android application that automates guitar strumming to create music
- Built a single-page social media app ChatterBox using MEAN (MongoDB, Express, Angular, Node)
- Built a multiplayer GUI card game in Java
- Completed multiple machine learning educational projects

Projects (Artist):

- Part of bands [Moonseller](#), a dream pop and experimental group and [Hydrasai](#), progressive rock group. I've explored many different sounds with them and we have ongoing projects to release music within the next few months. Other projects can be found on [YouTube](#) with description

Community Service:

- Math Tutor at Ebenezer School for the Visually Impaired, HK Sep – Dec 2018
- Organized a service trip to Philippines to build music instruments for special students Jan – March 2019
- Volunteer at Crossroads HK – Assist in loading, electrical and furniture department Dec 2019 – Dec 2021
- Volunteer webdev at ENGIN – Angular UI and Spring boot Backend Sep 2021 – Dec 2021
- An education platform to connect Ukrainians to English Speaking Peers