Pranav Talwar

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EDUCATION

THE UNIVERSITY OF HONG KONG
BEng in Computer Science
CGPA: 3.88 / 4.30
Expected June 2021

THE UNIVERSITY OF EDINBURGH
Spring 2020 Semester Exchange

COURSEWORK

Applied Deep Learning*
Corporate Finance*
Software Engineering
Database Management
Functional Programming
OOP & Java
Adv. Data Structures & Algorithms
Operating Systems
Computer Networks
Research & Teaching Assistant x 2
(* - Ongoing)

SKILLS

CORE
- Python • Java • JavaScript
- TypeScript • C++

WEB AND DATABASE
- React.js • Redux • Node.js
- MongoDB • MySQL • Express
- Flask • HTML • CSS • Bootstrap

OTHERS
- Haskell • VBA • Git • Bash

LEADERSHIP

Head of Finance and Technology at the Eureka Consulting Group (2018-2019) ecg.hk
Treasurer at the Chi Sun College Committee (2018-2019)

AWARDS

2nd Runner Up CodeIT Suisse by Credit Suisse (2018)

Dean's List for Academic Excellence (2017 & 2018)

HKU Foundation Scholarship - 100 Percent Tuition Fee

EXPERIENCE

J.P MORGAN | SOFTWARE ENGINEERING INTERN
June 2020 - August 2020 | Hong Kong
- **Automated the manual data collection** process by building well tested **REST APIs** having over **85% code coverage**. (NodeJS, MongoDB, Express)
- **Bridged the communication time** between the users and organisation and reduced it by **80%** by **integrating Twilio and Sendgrid services into the APIs**.
- Built an admin interface to manage the collected data and an **Analytics dashboard** to give insights into the data. (ReactJS, React Admin, React-Charts)

APP IT | SOFTWARE DEVELOPMENT INTERN
June 2019 - August 2019 | Hong Kong
- **Developed well tested REST APIs** for mobile and web applications being used by over **3000 employees of the client.** (NodeJS, Express, MongoDB)
- **Developed a user-friendly CMS to manage data**, saving over **5 man hours of manual work and preventing faulty data being injected** while following **Agile methodology** (ReactJS, React Admin)

MIRGASIA GLOBAL SOLUTIONS | SOFTWARE DEVELOPMENT INTERN
Jan 2019 – April 2019 | Hong Kong
- **Developed an e-learning application** to provide course content to migrant workers in Hong Kong (React Native, NodeJS, Firebase).
- Helped the company to **increase its user penetration** and in Hong Kong and **raise funds for further growth**.

ERNST & YOUNG | PROCESS AUTOMATION INTERN
June 2018 – Aug 2018 | Gurgaon, India
- **Developed a macro** that converted Visual Basic code into flowcharts to **reduce debug time** and **increased efficiency**. (VBA, MS Excel)

PROJECTS

EXPENSE TRACKER
- Created a full stack application to track one's expenses. Complete with signup, email activation, forgot password, signin, authentication and image upload capabilities. (TypeScript, NodeJS,Express, MongoDB, Sass, ReactJS, Redux) Github: here

BIG TWO CARD GAME
- A GUI-enabled card game made using OOP techniques to implement the game logic. Multi-threading was used to add multiplayer support. (Java) **Github: here**

CHI SUN APP
- Created an application for the residents of Chi Sun College. Serves as a one stop platform for everything Chi Sun College. Present on Apple Store and being used by over 400 residents. (React Native, NodeJS, Firebase). **Github: here**

JIGSAW SUDOKU
- A JigSaw Sudoku Game that allows users to load and save Sudoku Boards, make moves, provides hints and solves boards. (Haskell, Bash) **Github: here**