

Amandeep Singh

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EDUCATION

Dublin Institute of Technology, Ireland — Computer Science International (with Chinese) BSc.
2014 - 2018

- Current average for degree – 73%, projected First-class honors degree

Beihang University, Beijing, China — Computer Science and Chinese

February 2017 - July 2017 (Obtained Hanban Scholarship for one semester)

- HSK3 exam passed allowing me to work in China, HSKK elementary passed.
- Working Proficiency in Mandarin

TECHNICAL SKILLS & PROJECTS

Skills:

- Comfortable with iOS, Android OS, MacOS, Linux and Windows platforms.
- Skills and languages obtained:
 - C, Java, Prolog, Python
 - HTML5, CSS, JavaScript, PHP, AngularJS, TypeScript
 - MySQL, MongoDB, Neo4j, Postgres
 - Strategic Project Management, Agile Methodologies and Project Documentation
 - Github
- Experience in using XCode, IntelliJ, Android Studio, Oracle SQL Developer and SWI-Prolog.

Projects:

- Math application for children with Dyslexia: Currently developing this full stack hybrid application to aid children with math using games and an interactive learning system. Working with Angular, HTML, CSS, Typescript, REST, PHP and MySQL.
- Sudoku Solver: Takes in an image of a Sudoku and using image processing cleans it up in order to solve it with an algorithm. Worked with Python and OpenCV.
- Flappy Bird using Banana to jump: The game flappy bird recreated with Processing and an Arduino set up connected to a banana. Set up so every time the banana is touched it creates a circuit which triggers a key and makes the bird jump. Worked with Java and Arduino.
- Dare Application: Global Group Project (2 members in China, 1 in South Korea and 1 in Ireland). Application for users to challenge one another to do something charging a fee which goes to charity. Inspired by ALS ice bucket challenge. Worked with HTML, JavaScript, CSS, Heroku and Ruby on Rails.

EXPERIENCE

Software Developer & Technical Advisor, City Learning, Dublin, Ireland

May 2015 - February 2017 (Part time during college, Full time in summer)

In charge of developing web and desktop applications for clients using the latest hardware and software technologies.

- Full stack development
- Testing and bug fixing
- Helping clients with technical issues
- Technical Advisor
- Experience with agile based development
- Deploying applications to large scale of end users and technical support
- Working with a team effectively and collaborating to achieve a common goal

PERSONAL EXPERIENCE

Fourth Year Class Representative, Dublin Institute of Technology, Dublin, Ireland

September 2017 - May 2018

A link between my course and the School of Computing in my College. Since I am part of the first class ever graduating in my Course, the classes feedback and experience, has moulded the course for future classes to come.

- Propose changes to the modules for my class
- Vote on changes being made to the course
- A Brand Ambassador for my course

Vice-Captain, Dublin Institute of Technology Ultimate Frisbee, Dublin, Ireland

September 2017 - May 2018

A key member and a leader for the team. Involved in training and managing the team.

Treasurer, Dublin Institute of Technology Ultimate Frisbee, Dublin, Ireland

September 2015 - May 2016

Responsible in budgeting tournaments and keeping track of all the club money.

Head Boy, John Scottus School, Dublin, Ireland

September 2013 - May 2014

As Head Boy, I was the link between the students and the teachers, and the model student. This also required many speeches to be made to students, teachers as well as the parents. Responsible for providing support for students.

References available on request.