Siyuan Shen

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Education

1. **2018 - Present**
   Imperial College London (MEng) Computing
   First Year: 76.1% (A)   Second Year: 80.3% (A)

2. **2015 - 2018**
   International School of Brussels
   Graduated as class valedictorian with 4.7 / 4.8 GPA and IB points 43 / 45
   Subjects Taken in IB:
   Math HL, Computer Science HL, Physics HL, Geography SL, English A SL, French B SL
   Recipient of John A. Norton III Scholarship and Alan Inglesby Scholarship.

Core Skills

Technical Skills
- Java, Python3, C, Haskell, Kotlin, JavaScript, VBA, HTML/CSS, SQL, Django, ReactJS
- Machine Learning Frameworks: Tensorflow, Keras

Languages
- Mandarin - Bilingual
- English - Bilingual
- French - Intermediate

Work Experience

1. **July - August 2019   Research Assistant (UROP) - Imperial College London**
   - Helped complete a paper on data augmentation for hate speech detection.
   - Finished the experimental setup for a paper on the effect of adversarial training on audio recognition under the supervision of Professor Bjoern Schuller.
   - Taught myself the basic knowledge of machine learning and developed proficiency in machine learning frameworks such as Keras and Tensorflow.
   - Contributed to the paper *Augment to Prevent: Short-Text Data Augmentation in Deep Learning for Hate-Speech Classification* that was accepted in the **ACM CIKM 2019** conference.

2. **August 2017   Junior Web Developer - United Business Institutes Brussels**
   - Built a demo alumni website for the institutes.
   - Assisted in creating the TEDx Luxembourg 2018 event website.

Projects and Certification

1. **August 2020 - Present   Cisco Certified Network Associate (CCNA) Certification**
   Currently preparing for the CCNA exam. Certification pending.
2. **May - June 2020   ImperialCode**
   Constructed a LeetCode-like web application designed for Imperial Computing students in a second-year group project in collaboration with the Royal College of Art.
3. **January - March 2020   WACC Compiler**
   Built a compiler for a simple language called WACC as a second-year group project. Added various custom features to the WACC language, such as generics and type inference. Was able to produce quality code under considerable time pressure.
4. **October - December 2019   Pintos OS**
   Programmed Pintos OS in a second-year group project. Worked as a group leader in the team. Exhibited and practiced team-leading skills by designing the overall structure of the project and distributing tasks.
5. **June 2019   ARM Emulator and Assembler**
   Built a simplified ARM emulator and assembler in a first-year group project.

Extracurricular Activities

1. **February 2019 & February 2020   Google HashCode**
   Participated in Google HashCode 2019 and 2020 and reached the top 15% of all teams in the competition.
2. **January 2019   IC Hackathon** Participant of IC Hackathon 2019.