SHIV BHATIA (he/him)

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EDUCATION

Imperial College London [2020-2024]:
   Mathematics and Computer Science MEng
The Shri Ram School, Moulsari [2016-20]:
   IB (44/45), class rank 1

EXPERIENCE

Microsoft [Jun – Sep 2022]
   Software Engineering Intern
   Full stack development with React, Typescript, and Java
OfficeHours [Mar – Aug 2020]
   Co-founder, lead front-end developer using React.js
   Built a platform for educators to hold virtual office hours, partnerships with major universities in the US (Yale, UC Berkeley etc.)
   Raised $100k from Open Water Accelerator
NTT Data [Jan – Jul 2019]
   Data Science and Machine Learning Intern
   Co-authored paper on reinforcement learning algorithms in physical simulations
Computer Science Society [Mar 2018 – Mar 2020]
   Lead instructor, taught weekly classes at my school to younger students.

PROJECTS

WACC [Sep – Dec 2021] (Scala)
   Built a compiler from scratch for the WACC language
PintOS [Sep – Dec 2021] (C)
   Extended the PintOS operating system with threads and user programs
ARM11 Assembler and Emulator [May – Jun 2021] (C)
   Implemented a subset of the ARM11 instruction set
MetaWord2Vec [Nov 2020] (Python, Pytorch)
   A word-vector embedding trained on 'The Metamorphosis' by Kafka
   Neural network architecture to capture contextual information in language
OpenAI GYM Rubik's Cube [March – May 2020] (Python, TensorFlow)
   Built a Rubik's Cube simulation in pure Python

SKILLS

[Languages]: *Python, Javascript/Typescript, Rust, C, Java, Haskell, Scala*
[Frameworks]: *React.js, Django, TensorFlow, PyTorch*

AWARDS

G-Research Prize 2022
   Awarded to top ten non final year students in the Computing department
Dean's List (Second Year) 2022
   Awarded to top 10% of the year
Exun Build Hackathon 2020
   Gold Medal, Special Mention
   Developed Auxillium, an AI-powered mental illness diagnosis chatbot