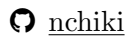


NAHIDA CHIKI

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EDUCATION

Masters in Engineering(Artificial Intelligence and Machine Learning)

October 2017 - June 2021

Imperial College of Science, Technology and Medicine

- Volunteered to organise ICHack 19, the UK's biggest student-run hackathon
- Elected as one of the two Academic Representatives for Year Two

Abitur

August 2009 - April 2017

Otto-Hahn-Gymnasium, Monheim, Germany

- **Overall aggregate: 98%** (881 out of 900 points) with 95% in Computer Science and 94% in Mathematics

WORK EXPERIENCE

Summer Tech Analyst (Cloud Engineer) at Goldman Sachs

June - September 2019

- Worked in the SecDb Architecture team on integrating Protobuf into Slang, Goldman's proprietary language, to support the integration of gRPC into Slang to enable moving towards a more service-based architecture.
- Implemented functions in C++ to dynamically parse .proto files and generate Slang code. I exposed those functions to Slang in order to be able to modify proto messages and serialize/deserialize them inside Slang scripts.

Google CodeU Summer Program

May - August 2019

- An exclusive technical development program for high potential students with mentorship from Google Engineers.
- Collaborated with a team of three peers and a Google Engineer to solve multiple coding assignments.

Facebook "Hack-A-Project" Developer

October - December 2018

- Hack-a-project is a five week programme taking place at the Facebook offices in London.
- Developed my coding skills and experienced the full development cycle for a website with the support of a Facebook Software Engineer and looked into the development cycle at Facebook.

Camp Tutor and Brand Ambassador for Firetech

July 2018 - Present

- Taught children between the ages of 9 to 13 about technology and game development using Java and the Greenfoot IDE.

PROJECTS

Decksy

JavaScript, React Native, Expo

- Developed the frontend of a mobile app called Decksy. Decksy enables you to create your own digital business card, share it with others using QR codes and storing them in albums.
- Taught myself JavaScript and how to work with the React Native framework and the Expo toolchain for the development and testing of the app.

WACC

Kotlin, Maven, GitLabCI

- Implemented a compiler for a language called WACC which closely resembles C.
- Set up a Continuous Integration pipeline to monitor the progress on the compiler.

Pintos

C

- Implemented an operating system framework for the x86 architecture that tests the understanding of the roles of kernels, virtual memory, memory organisation, concurrency, thread-safety, scheduling, user programs, syscalls and multiple other concepts that are widely used in major operating systems today.

Concurrent Picture Processor

C++

- Implemented a thread-safe, multi-threaded system that was later optimised via concurrency, to perform transformation algorithms on pictures via a command line interpreter.

ACHIEVEMENTS

Extracurricular

- Finished an Online Machine Learning Course, taught by Andrew Ng. September 2019
- Developed an educational website on Facial Recognition using Artificial Intelligence and Machine Learning. Mainly focused on researching Machine Learning for Biometrics and building its section. March 2018

Awards

- Scholarship holder of the German National Academic Foundation, the largest, oldest and most prestigious scholarship foundation in Germany that awards exceptionally talented students. Since July 2018