Yannick Reinhard Pferr

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Programming Languages: Java, JavaScript, SQL, Python, C++/C

Education

Technische Universität Darmstadt
M.Sc. Business & Information Systems **October 2018 – present**

- Expected Graduation Date: December 2020
- Related Coursework: Data Mining & Machine Learning, Scalable Data Management, IT Security

Technische Universität Darmstadt
B.Sc. Business & Information Systems **October 2014 – April 2018**

- Related Coursework: OOP, Software Engineering, Algorithms & Data Structures, Operating Systems & Computer Architectures, Information Management, IT Security, Mathematics, Statistics

Experience

Arlanis Reply AG
Working Student | Developer & Salesforce Consultant **January 2018 – present**

- Built and maintained a cross-cloud synchronization program, that extracts millions of email tracking data from Salesforce Marketing Cloud and then transfers it to Salesforce CRM. Achieved a 15-fold increase in transfer speed by algorithmic optimization and using multithreading. **(Java, SF APEX)**
- Developed a secure web application with login & session management that segments subscribers and helps clients build audiences without SQL knowledge. **(JavaScript, SF Server-Side JavaScript, SQL)**
- Created an application that automates various setup steps for Salesforce admins and that provided an easy-to-use GUI. Reduced the time required for manual setup processes by about 85-90% and helped consultants leverage API functionality without coding skills. **(Java)**

Projects

Blockchain-Explorer | University | Languages & Tools: Java, InfluxDB, Influx Chronograf
Developed a blockchain explorer for researchers that can monitor & analyze the status of any blockchain platform using a client/server approach. Collected data can be viewed and queried through a web interface.

Compiler for Virtual Voxel-Rendering-GPU | University | Languages & Tools: C++, Flex, Bison
Implemented a compiler that interprets a fictional voxel language and generates machine code for the GPU.

Sentiment Analysis Application for Web News | University | Languages & Tools: Java, JavaScript, Node.js, Apache Kafka, Solr, Redis, MongoDB
Created a web application that searches news for specific keywords, extracts the sentiment from the article and then visualizes the data in a web interface. A lambda architecture was used to be able to handle big data.

Android Social Network App | Personal | Languages & Tools: Java, Firebase
Achieved 5th place in a student idea competition with an Android app where people could ask for help at a specific task or offer help themselves. The goal was to help German refugees with integrating more easily.

Smart Home with Raspberry Pi | Personal | Languages & Tools: JavaScript, Node.js, Google STT
Built a smart mirror that could display various information, was able to play YouTube videos and Spotify tracks. In addition to voice control, a web interface allowed for controlling the lights and some remote sockets inside the house using a 433mhz transmitter.

Web Crawler/Bot on Raspberry Pi | Personal | Languages & Tools: Python
Built a web crawler that would notify me on any grade updates and new grocery discounts. Later on, I extended it to a bot that is able to buy limited sneakers online & that can bypass captcha checks by pre-solving them.