Maxime Dimidschstein

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Profile Summary

Key Skills

- Professional experience using mainly Go, with some use of Bash and C. Practical experience with Python.
- Focused on applying good development practices: following SOLID principles, implementing unit tests and putting in place a continuous integration infrastructure.
- Familiarity with the process of building a startup and the related challenges. Passion for prototyping, MVP implementation and lean approach.
- Interest for new technologies, professional experience with IoT and hands-on experience with blockchain.
- Practical experience in data analysis.
- Avid and fast learner, and strong team worker.
- Fluent in French, English and Dutch.

Professional Experience

Engineering and software development

IIOT Embedded Linux Developer   **Sept. 2019–Present**

SmartD Technologies Inc., Montréal, QC

Development of a new generation of variable frequency drives (VFD)

- Implementing IoT micro-services in Go following SOLID principles
- Generating a Redis database and using the pub/sub mechanisms for communication between services
- Creating a gRPC API with protobuf
- Putting a CI infrastructure in place using Docker and AWS EC2 instances, running unit tests and automatic deployments on AWS S3
- Creating Yocto recipes to tailor the Linux distribution to the product's needs
- Developing various Bash utilities
- Creating a Linux driver for a tsc2013 touchscreen
- Conceiving, improving and documenting IoT micro-services designs using tools such as UML diagrams and sequence diagrams
- Understanding the requirements expressed by the marketing team and the customers
- Taking part in interviewing and onboarding of new employees

Entrepreneurship

Student Entrepreneur   **March 2017–August 2019**

Sunseï Startup Project, Belgium

Innovation promoting self-consumption of green energy with IoT

- Learning the different aspects of building a startup, with mentoring from the Yncubator and the CPME program
- Working in a multidisciplinary team
- Challenging and improving the project through pitching sessions, contests and networking
- Building a prototype with Raspberry Pi and Arduino Nano
- Creating a software solution with Python and AWS IoT

Student Jobs

Student Tutor **Sept. 2015–June 2019**

École Polytechnique de Louvain, Belgium

- Giving exercise sessions for bachelor courses: Mathematics, Computer Systems and Computer Networks
- Correcting assignments, giving feedback and answering questions

Programming Course Instructor **July 2016 & July 2017**

TechnoFuturTIC Gosselies, Belgium

- Organizing two one-week long training courses: Java & Robocode and Python & Raspberry Pi
- Creating a syllabus and a slide deck
- Adjusting the exercises and the final project to the different levels of the students

Education

Master of Engineering: Computer Science & Entrepreneurship **2017–2019**

Université catholique de Louvain, Belgium

Results: Cum laude

Erasmus **2018–2019**

Ecole Polytechnique Fédérale de Lausanne, Switzerland

Bachelor of Engineering: Computer Science & Applied Mathematics **2014–2017**

Université catholique de Louvain, Belgium

Results: Magna cum laude

Skills

Languages

French: C2: Mother tongue

English: C1: IELTS 2017 result: 8, Two weeks of advanced course at Horner School of English (Dublin)

Dutch: C1: CNaVT obtained in 2013, One year at KULeuven, Secondary school in Dutch immersion

Computer Skills

Programming: Go, C, Python, Bash. Notions of MATLAB, R, Java, Scala, SystemVerilog.

Tools: Redis, SQL, Git and CI, AWS EC2 and S3, Docker, Atlassian suite (Confluence, Jira), Raspberry Pi.

Hobbies and interests

- Programming contests and hackathons
- Hydroponics (NFT and DWC methods)
- Karate: 15 years of practice
- Hiking and nature photography