

EXPERIENCE

- **Build, DevOps and Python Engineer** Prague, Czech Republic
ISEE *September 2021 – Present*
 - **Build:** Responsible for building the distributed Autonomous Vehicle stack written in Python and C/C++ using Bazel.
 - **DevOps:** Design and deploy a cloud computational infrastructure. We utilize Argo Workflows deployed in Kubernetes cluster (defined in Terraform). For easy packing and nice user experience, we incorporate Bazel with custom rules and macros.
 - **Python:** Active contributor to the simulation code base. Responsible mainly for extensive architectural choices with a focus on high-code quality and easy extensibility.
- **Server/Network Admin, Lecturer, Event Organizer** Prague, Czech Republic
Silicon Hill *October 2015 – June 2022*
 - **(Net)Admin:** One of the server/network administrators who are responsible for internet service for more than four thousand people. We are using technologies like Icinga2, Observium, Elasticsearch, Gitlab. We also maintain our FTP mirror for major Linux distributions.
 - **Lecturer:** Lecturer in Introduction to Linux course which focus on Linux basics, scripting in BASH and Python.
 - **Event Organizer:** Member of organization group who runs InstallFest and LinuxDays, which are one of the largest conferences in Czech Republic focussing to Linux and open-source technologies.
- **Lecturer at CUNI** Prague, Czech Republic
Charles University Faculty of Mathematics and Physics *February 2021/22 – July 2021/22*
 - Lecturer in NSWI177 Introduction to Linux. The course follows the The Missing Semester given at MIT and focuses on working with Linux OS, BASH, Git and Python scripting.
- **Lecturer in ICS** Prague, Czech Republic
Stanford University & Czech Technical University *Summers of 2019/20*
 - Lecturer of Java/Python in Introduction to Computer Science (ICS) course. The course aims to give an essential knowledge in coding to high school students. It is organized in cooperation of Stanford University and CTU.
- **IoT Developer** Prague, Czech Republic
Czech Institute of Informatics, Robotics and Cybernetics *May 2017 – October 2017*
 - Member of eClub, developing an application for recording the presence of group members in the office. We used ML technologies such as face recognition and NLP.

EDUCATION

- **Charles University – Faculty of Mathematics and Physics** Prague, Czech Republic
Master of Computer Science and Artificial Intelligence; GPA: 4.0/4.0; graduated with honours *August 2019 – June 2021*
- **Auckland University of Technology – Bilateral Agreement** Auckland, New Zealand
Master of Computer Science; GPA: 4.0/4.0 *February 2019 – June 2019*
- **Norwegian University of Science and Technology – Erasmus+** Trondheim, Norway
Master of Computer Science; GPA: 3.58/4.0 *August 2018 – December 2018*
- **Czech Technical University – Faculty of Information Technology** Prague, Czech Republic
Bachelor of Computer Science; GPA: 3.5516/4.0; graduated with honours *August 2015 – June 2018*

ADDITIONAL EXPERIENCE AND AWARDS

- **2021:** Giving lecture about MetaCentrum in InstallFest
- **2020:** Coursera – Bayesian Statistics: From Concept to Data Analysis
- **2020:** Giving lecture about Tiling Manager – Sway in InstallFest
- **2018:** Linux Professional Institute Linux Essentials
- **2017:** Database Design and Programming with SQL
- **2016:** Cisco Networking Academy: CCNA Routing and Switching - Introduction to Networks

PROJECTS

- **MARL**: Multi-Agent Reinforcement Learning framework with SOTA algorithms used within my master thesis.
- **Embedded WeMos**: Developed embedded thermo/baro-meter which saves its data over the internet into InfluxDB and Grafana.

SKILLS

- **Languages**: Czech (Mother tongue), English (TOEFL iBT score 96)
- **Coding**: Python, BASH, Lua, C/C++, PyTorch, Tensorflow, FastAPI, Django
- **DevOps**: Git, Bazel, AWS, Containers, Kubernetes, Terraform, GitLab CI/CD