

# Lukáš Forst

SOFTWARE ENGINEERING STUDENT · SOFTWARE ENGINEER · TECH LEAD

Mrákov, Pilsen region, Czech Republic

+420 721 680 117 | ✉ [lukas@forst.pw](mailto:lukas@forst.pw) | 📱 [LukasForst](#) | 🌐 [lukas-forst](#)

## IT University of Copenhagen

March 1, 2019

RUED LANGGAARDS VEJ 7, 2300 KØBENHAVN, DENMARK

### ITU Application

Dear Sir, Madam

### About Me

---

I'm writing to apply for the MSc programme on IT University in Copenhagen. This year I will hopefully finish the Faculty of Electrical Engineering on Czech Technical University in Prague in Open Informatics programme with focus on Software Engineering and Artificial Intelligence and thus I'm seeking new challenging opportunities in computer science field, which led me to this application. I'm currently working on my bachelor thesis which aim is to introduce brand new load balancing mechanism tailored specifically for optimization algorithms. This solution is based on the mathematical model of runtime optimization techniques represented as integer linear programming as well as bleeding edge technologies used in the implementation of my custom optimization load balancer. Effectively, it should cut hardware resources cost paid while hosting application which contains optimization algorithm.

In the second semester of my study at FEE, my professor personally hired me into his university spin-off AI company, now called Blindspot Solutions, because he saw potential in my software development skills for next two years I was youngest member of the team. Since then I worked on multiple projects for clients all over the world and designed various kinds of software systems. Working 2 years with bleeding edge technologies in the industry leading AI company with international team developing machine learning and optimization solution for all over the world customers. Now I'm personally leading the team working on the state of the art scheduling system for major Chinese investor. My working experience are not only from the Czech Republic, I was also working in the Paris at Softbank Robotics Headquarter with the next-gen robot Pepper as a member of team sent by slovakia branch of world wide business consulting company Adastra.

### Why ITU?

---

I'm genuinely interested in Danish culture since my ancestors came to the Czechia from Denmark. When I was on vacation in Copenhagen last year, I had a chance to visit ITU and I was surprised by the student culture and genius loci of the campus. I went through the offered programmes and I found out that Computer Science programme perfectly suits to my expectations of well prepared and balanced, in terms of business and technical education, academic course. Also I believe, that study at ITU would bring me all necessary knowledge for my future professional carrier in computer science field.

### Why Me?

---

While I was studying at the grammar school in 2015, I was placed third in the national wide Computer Science related competition, this resulted into my nomination to various types of international events. For example, I was representative of the Czech Republic on the Swiss Talent Forum 2017 in Bern where I gained necessary skills in business development and team leadership. I believe that I can be an asset to the university mainly because of my experience with real life software engineering, business development and my strong mathematical background.

Sincerely,

**Lukáš Forst**