

## Mgr. Radek Stibora

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CONTACT  
INFORMATION      rstibora@gmail.com  
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EDUCATION      **Masaryk University, Faculty of Informatics, Brno, Czech Republic**  
Mgr. Computer Graphics, 2016

- *Dean's Award* for final thesis (*Building of SBVH on Graphical Hardware*)
- Participation in *FI Dean's Programme* and *Rector's Programme* projects (implementation, comparison and development of ray tracing acceleration structures)
- Seminar tutoring of the *Principles of Computer Graphics* course

Bc. Computer Graphics and Image Processing, 2014

WORK  
EXPERIENCE      **Seznam.cz, a.s.** | Programmer  
12/2022 (terminated after two weeks due to budget constraints)

- CDN Development
  - Python

**ThermoFisher Scientific** | Software Engineer  
8/2017 - 4/2022

- Development of various electron microscope alignment algorithms (1/2019 - 4/2022)
  - Cooperation within a diverse (as in specialization wise) team developing alignment algorithms for various parts of electron microscopes
  - Complete software-wise oversight over development of a user-facing plugin/product
  - Tip toes into product ownership
  - Python, C++, Windows
- Development of computed tomography algorithms (8/2017 - 12/2018)
  - Highly parallel algorithms
  - C++, CUDA, UNIX

**System SWHW s.r.o.** | Programmer  
10/2016 - 8/2017

- Development of a back-end server for a public transport dispatcher web application
  - C++, UNIX

**Comprimato s.r.o.** | Intern  
Two month internship, Summer 2015

- Refactorization and optimization of a GPU JPEG2000 encoder and decoder
  - C++, CUDA, OpenCL

ADDITIONAL  
KNOWLEDGE

Languages

- Czech: native
- English: good working knowledge

Software engineering tools & technology

- Docker, modern web development frameworks and related tooling (Vue, Svelte, Typescript, ...), C#, Rust, Scala, Postgres