Stéphane **Sercu**

SOFTWARE ENGINEER

12 Jan. 1996 | Brussels, Belgium

✉ sercu.stephane@gmail.com | 🏠 www.tsucres.me | ⬚ tsucres | in ssercu

Education

Université Libre de Bruxelles - Brussels School of Engineering   *Brussels, Belgium*
MASTER IN COMPUTER SCIENCE AND ENGINEERING - SPECIALIZATION IN ARTIFICIAL INTELLIGENCE   *Since Sept. 2017 (Expected Jun. 2019)*
- *Master thesis*: Real-time body pose estimation on Time of Flight images using convolutional and recurrent neural networks.

Université Libre de Bruxelles - Brussels School of Engineering   *Brussels, Belgium*
BACHELOR IN ENGINEERING   *Sept. 2014 - Jun. 2017*

Working Experience

Université Libre de Bruxelles
TEACHING ASSISTANT   *Oct. 2018 - May 2019*
- Tutoring bachelor students for programming classes (Python, Java and OOP).

Sony Depthsensing Solutions
SOFTWARE ENGINEER INTERN - COMPUTER VISION   *Jul. 2018 - Oct. 2018*
- Worked on real-time body pose estimation using a Time of Flight sensor
- Experimented with several solutions based on Convolutional Neural Networks
- Trained several models, both from scratch and using Transfer Learning
- Designed several image processing techniques for both RGB images and depth maps.
- Deployed models on various (including mobile) platforms and optimized inference time.

Solvay Consulting Club
STUDENT CONSULTANT FOR ENGINEERING MISSION FOR AIR LIQUIDE   *Mar. 2018 - May 2018*
- Improved the user-friendliness and performance of a software that analyzes satellite images and allows the detection of different patterns
- Adapted the web interface of the software to the client's needs
- Integrated machine-learning techniques to optimize the image processing algorithms

HNBuddy - Hacker news client for iOS   *www.hnbuddy.io*
MOBILE APP - LANDING PAGE   *Sept. 2017 - Ongoing*
- Developed, and currently maintaining, a native iOS application in Swift, available on the App Store
- Created a web scraper handling most of the features of the hackernews.org website that is now open source on Github
- Built an attractive responsive landing page presenting the application
- Technologies used: Swift, HTML5/CSS3/JS, Bootstrap, JQuery, Sketch.

Delhaize Chazal
STUDENT JOB - GROCERY STORE   *Mar. 2011 - Apr. 2014*
- Worked every holidays in a grocery store

Projects

Personnal portfolio   *www.tsucres.me*
WEBSITE
- Created a simple and elegant portfolio to present and describe my projects
- Technologies used: HTML5/CSS3/JS, Jekyll.

Skills

Programming	Python, Java, Swift, C, C++, SQL
Web	PHP, MySQL, Django, HTML5, CSS3, JavaScript, JQuery, Bootstrap
Tools	Git, Tensorflow, Caffe, MATLAB, OpenCV, LaTex
Machine learning	Convolutional NNs, Recurrent NNs, Reinforcement learning, Random forests
Methodology	Agile (XP)
Languages	• French: native language • English: full professional proficiency • Greek: fluent at speaking & reading; intermediate at writing

Extracurricular Activities

- Playing squash as a hobby
- Playing the piano
- Developing mobile and web applications