TIBOR STANKO
Research & development engineer

- Expertise in mathematical modeling, algorithms, optimization.
- Strong programming skills with proficiency in C++, Python, Matlab.
- Award-winning PhD research on 3D reconstruction [4-minute video summary ⧉]
- Experience working in multicultural environment, fluent in English and French.
- Seeking new challenges in R&D, data science, machine learning.

Professional experience

Feb 2018 – now   **Postdoctoral researcher**   *Inria Sophia-Antipolis (FR)*
- Part of ERC D³ ⧉ : developing new algorithms for processing 2D/3D design sketches.
- Daily use of C++ and Python for prototyping, testing, visualization.
- Weekly presentation of results to the principal investigator and the team.
- Regular online meetings with senior international collaborators.
- Research visits at RWTH Aachen (3 weeks) and University of Montreal (2 weeks).
- Co-supervising an internship on design sketching in virtual reality.

Oct 2014 – Dec 2017   **PhD researcher**   *CEA-Leti and Inria Grenoble (FR)*
- Developed an award-winning framework for 3D reconstruction using inertial sensors.
- Results presented at top international conferences in the field (Eurographics, SMI).
- Daily use of Matlab and C++ for prototyping, testing, visualization.
- Co-supervised an internship on development of a 3D reconstruction Android app.

Mar 2011 – Dec 2014   **Web designer & developer** (part time)   *Volis International, Bratislava (SK)*
- Graphic design of websites, microsites, newsletter templates, campaigns (Photoshop).
- Responsive web design (HTML5, CSS, PHP, jQuery), analytics, SEO.
- Wordpress: theme and plugin programming, administration, problem solving.

Sep 2009 – Apr 2012   **Electronic media monitoring** (part time)   *The Slovak Spectator, Bratislava (SK)*
- Monitored and compiled important news from electronic media on weekend days.

Education

Oct 2014 – Dec 2017   **PhD** mathematics & computer science   *University of Grenoble (FR)*
Thesis: Shape reconstruction of meshed smooth surfaces equipped with inertial sensors ⧉

Sep 2012 – Jun 2014   **MSc** computer graphics & geometry   *Comenius University in Bratislava (SK)*
Graduated with honors. Spent one semester on Erasmus at *Grenoble INP (FR)*.

Sep 2009 – Jun 2012   **BSc** mathematics   *Comenius University in Bratislava (SK)*

Honors & achievements

Nov 2018   **Prix de thèse IG-RV 2018 honorable mention**.
My PhD thesis placed in the *Top 3* computer graphics theses in 2017 in France.

Jun 2017   **Best paper award at *Shape Modeling International 2017*** conference.
Paper: Shape from sensors: Curve networks on surfaces from 3D orientations ⧉

Jun 2014   **Dean's award** for exceptional results during master's studies.

May 2014   **Kunii award** for achievements in undergraduate computer graphics research.

Nov 2012   **2nd place** at Startup Weekend Bratislava #3 ⧉ .
I was a part of the team that developed a stock-taking platform *Stock.me*.

Teaching experience

Teaching assistant for the following courses (in French): *Differential equations for biologists* (UCA, 2020), *Fundamentals of mathematics* (UCA, 2019), *Numerical analysis* (GINP, 2017), *Numerical geometry* (UGA, 2016, 2017).
UCA = University of Côte d'Azur, GINP = Grenoble INP, UGA = University of Grenoble

Public talks

Jun 2018	Journées Informatique et Géométrie 2018 ⧉ (invited talk)	*Lyon (FR)*
Apr 2018	Eurographics 2018 – Doctoral consortium ⧉ (conference talk)	*Delft (NL)*
Jan 2018	Seminár z pseudoeuklidovskej geometrie ⧉ (invited talk)	*Bratislava (SK)*
Jun 2017	Shape modeling international 2017 ⧉ (conference talk)	*Berkeley, CA (US)*
May 2016	Eurographics 2016 – Short papers ⧉ (conference talk)	*Lisbon (PT)*
May 2014	Central European Seminar on Computer Graphics 2014 ⧉ (conference talk)	*Smolenice (SK)*

Volunteer experience

2016   Junior Scientist and Industry annual meeting 2016 ⧉ – round tables coordinator   *Grenoble (FR)*

Personal info

Age	29 years
E-mail	tibor.stanko@gmail.com
Website	tiborstanko.sk ⧉
LinkedIn	linkedin.com/in/tiborstanko ⧉
GitHub	github.com/bbrrck ⧉
Phone	(+33) 7 50 26 15 46 (FR)
	(+421) 948 204 419 (SK)
Address	18 rue Jean Canavèse,
	06100 Nice, FR

Note: I will be moving to Slovakia (Trnava region) in Aug 2020. Home office possible.

Personal skills & traits

- Creativity
- Independence, Self-organization
- Problem solving
- Public speaking
- Teamwork
- Technical writing

Industry knowledge

- Algorithms
- Computer graphics
- Data analysis
- Mathematical modeling
- Optimization
- Research & development

Technical skills

Code	C++, Matlab, OpenCV, OpenGL, Python, PyTorch
VC	Git, Github, Gitlab
2D	Adobe Photoshop, Illustrator
3D	Blender (+Python scripting)
Web	CSS, HTML5, JavaScript, PHP
Misc	LaTeX, Shell

Languages

Slovak	Native
English	Full professional proficiency
French	Full professional proficiency

Certifications

Deep learning specialization ⧉
Coursera, issued Jul 2019

Hobbies

guitar, choir singing, biking, hiking, homebrewing