

And Hočevar

Data scientist and developer with 10+ years of experience with developing scientific and commercial data processing software, data visualizations, simulations and mathematical models. Have extensive experience with leading teams of scientists, designing and teaching courses and mentoring students.

Skills

Coding Languages	Python, Matlab, C, C#, Javascript, Latex
Data Analytics	Pandas, Numpy, Scipy, Matplotlib, Bokeh
Machine Learning	Scikit-Learn, Tensorflow, PyTorch
Web Technologies	HTML, Javascript, Bootstrap, Flask

Work Experience

- 2018 – present **The Data Incubator** *Data Scientist in Residence* (New York, NY, USA)
- develop curricula and train MS and PhD degree holders in the field of data science through an 8-week fellowship program
 - teach corporate trainings on data science related topics spanning everything from Data Wrangling and Introduction to Machine Learning to Advanced Machine Learning and Neural Networks
 - maintain and extend backend tools for application process and fellow management
- 2015 – 2018 **The Rockefeller University** *Postdoctoral Fellow* (New York, NY, USA)
- built an 8' x 4' underwater touchscreen for dolphins at *National Aquarium, Baltimore*
 - created the user interface and interactive games for dolphins using Unity platform (C#)
 - teaching assistant for graduate course covering math overview, numerical analysis, Python,...
- 2012– 2015 **The Rockefeller University** *Raymond and Beverly Sackler Fellow* (New York, NY, USA)
- investigated the face-processing system of the brain in non-human primates
 - analyzed experimental neuronal spiking data of 100+ inferotemporal neurons
 - trained a maximum correlation coefficient classifier and made predictions based on neuronal activity at accuracy up to 90%
- 2007- 2012 **University of Ljubljana** *Ph.D. in Physics* (Ljubljana, Slovenia)
- researched biomechanics of simple 2D and 3D cell aggregates
 - utilized Monte - Carlo numerical simulations to compute cell shapes in planar aggregates
 - developed a mathematical model of 3D cell aggregate shapes and found solutions using amoeba downhill simplex method
 - co-mentored undergraduate and masters students

Education

- 2012 **Ph.D. in Physics** *University of Ljubljana* (Ljubljana, Slovenia)
- 2007 **B.Sc. in Physics** *University of Ljubljana* (Ljubljana, Slovenia)

Awards and Honors

- 2013 *Raymond and Beverly Sackler Fellowship* (awarded yearly to 1 out of around 200 applicants)
- 2007 *University of Ljubljana "Svečana listina" prize* (awarded to 0.2% of undergraduate students)
- 1998 – 2007 *Zois Scholarship* (Slovenian national scholarship awarded to top 10% of exceptional students)