Stylianos (Stelios) Anastasakis

BSc Physics — MSc Brain and Mind Sciences

Python

JavaScript/TypeScript

Matlab

SQL

R

C++

HTML/CSS

Git

Notion
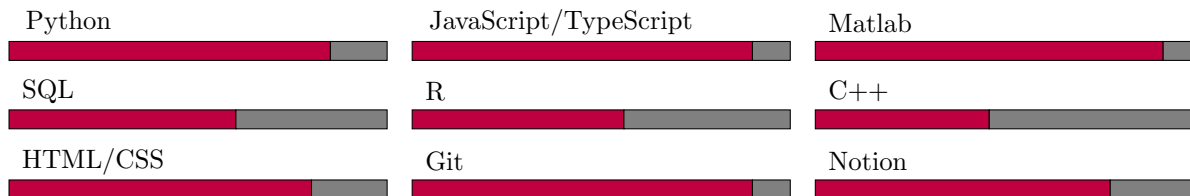
Working Experience

2023	**Frontend Engineer**, *Acmon Data*, Maintain and develop the web app of Acmon Data (Berlin remote)
2020 - 2022	**Web Software Engineer**, *Desquared*, Maintain and develop the websites of BOX Food, Angular 2+ / AngularJS (remote) Agile and CI/CD working environment - Collaborated in the whole process from analysis, to coding, debugging, testing, reviewing
2019 - 2020	**Private Tutor**, *Teaching students Physics and Mathematics*
2016 - 2019	**Master Studies**, *Berlin/Potsdam*, see section below
2018	**Data Scientist (Working Student)**, *home24, Berlin*, Performed Machine Learning Algorithms for Fraud Detection, MySQL, R
2009 - 2016	**Private Tutor**, *Teaching students Physics and Mathematics*
2008 - 2009	**Data Entry Specialist**, *Data Entry for a tourist and commercial guide*

Education

currently	**MSc Data Analysis and Machine Statistical Learning - DAMSL**, *Mathematics and Applied Mathematics Department, Computer Science Department and FORTH*, University of Crete - UOC Inter-Institutional Graduate Program 18-months/90 ECTS
2023-2024	**Machine Learning and Deep Learning Developer**, *IU Internationale Hochschule*, 4-months full-time Weiterbuildung Machine Learning - Deep Learning - Reinforcement learning - Topics in AI
2019 - 2020	**Full Stack Web Development Coding School**, *Social Hackers Academy*, 7-months Course on Learning How To Design and Develop Websites HTML, CSS, JavaScript, Databases, React.js, Node.js
2017 - 2019	**MSc Cognitive Systems**, *Potsdam University*, Potsdam, attended, not completed
2016 - 2017	**MSc Computational Sciences**, *Freie Universitaet*, Berlin, attended, not completed
2012 - 2016	**MSc Brain & Mind Sciences**, *School of Medicine*, University of Crete 2-years full-time	120 ECTS
2004 - 2012	**Diplom Physics**, *School of Sciences and Engineering*, University of Crete 4-years Diploma	240 ECTS

Training and laboratory experience

Computational BioMedicine Laboratory (CBML)

Spring 2016   **4-months lab rotation**, *Foundation of Research and Technology (FORTH)*, Institute of Computer Science (ICS)
Title: "Methods in EEG-based brain connectivity inference."

- ○ EEG signal processing and graph analysis
- ○ EEGLAB-plugin development in MATLAB
- ○ EEG connectivity metrics documentation

Department of Psychiatry and Behavioral Science

2015 - 2016   **Research assistantship**, *School of Medicine*, Division of Psychiatry
Title: "Voxel Based Morphometry analysis using SPM, Matlab"

- ○ MRI data analysis using SPM, Matlab
- ○ Quantitatively assess MRI grey matter volume differences

Laboratory of Visual Cognition

Fall 2013   **4-months lab rotation**, *School of Medicine*, Physiology Group
Title: "The role of attention in visual processing and how it influences neuronal interactions between distant brain areas."

- ○ Analysis of extracellular neuronal signals and LFPs from Macaque monkey.
- ○ Decoding neural activity in covert attention using machine learning algorithms.
- ○ Support Vector Machines (SVM) - Matlab

Systems Physiology and Computational Neurosciences Laboratory

Spring 2013   **4-months lab rotation**, *School of Medicine*, Physiology Group
Title: "Examination of the initiation of muscle contraction in relation to the tremor oscillation through force pulse experiments in the FDI muscle."

- ○ Signal processing and data analysis
- ○ Experimentation with human subjects
- ○ Matlab

Computational Biology Laboratory

2012   **Bachelor Thesis**, *Foundation of Research and Technology (FORTH)*, Institute of Molecular Biology and Biotechnology (IMBB)
Title: "Computational modeling of fear memory allocation in amygdalar neuronal populations."

- ○ Implementation and simulation of biologically realistic neural networks
- ○ Data analysis, Python, NEURON

Publications

Peer Reviewed Papers:

February 2014   **"Coding and decoding with dendrites."**, *Papoutsi A., Kastellakis G. Psarrou M., Anastasakis S., Poirazi P.*, J Physiol Paris. pii: S0928-4257(13)00033-8. doi: 10.1016/j.jphysparis.2013.05.003

Poster Presentations:

June 2014 **"Decoding Covert Attention from Simultaneous Recordings in Prefrontal and Visual Cortex."**, *Panagiotis Sapountzis*, Stelios Anastasakis*, Robert Desimone, Georgia G. Gregoriou, (* = equal contribution)*, in AREADNE 2014, June 25 - 29, Research in Encoding and Decoding of Neural Ensembles, Santorini

October 2012 **"Computational Modeling of Fear Memory Allocation in Amygdalar Neuronal Populations."**, *Anastasakis S. and Poirazi Y., (BEST POSTER AWARD).*, in the 7th Conference of the Hellenic Society for Computational Biology and Bioinformatics 2012 (HSCBB), October 4 - 6, Heraklion Crete

June 2012 **"Computational Modeling of Fear Memory Allocation in Amygdalar Neuronal Populations."**, *Anastasakis S., Kastellakis G. and Poirazi P.*, in AREADNE 2012, June 21- 24, Research in Encoding and Decoding of Neural Ensembles, Santorini

Languages

Greek **Native Speaker**

English **IELTS**, *7/9, C1 Level*

German **Goethe-Zertifikat**, *B1 Level*