

# Curriculum Vitae

Konstantinos-Evangelos Petousakis

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## **Personal Information:**

Age: 27

Place of Birth: Cholargos, Athens, Attiki, Greece

Marital Status: Single

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Place of Residence: 57, Vasiliou Smpokou Str., Heraklion, Crete, Greece

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## **Education:**

Undergraduate Student, Brain and Mind Postgraduate Programme (2016 - present)

University of Crete, Department of Medicine, Heraklion, Crete, Greece

Bachelor's Degree in Biology (2007 - 2015)

University of Crete, Department of Biology, Heraklion, Crete, Greece

English Language Proficiency, Level C2 (2005)

Certificate of Proficiency in English (CPE)

French Language Proficiency, Level B2 (2005)

Diplôme d'études en langue française (DELFF) A5, A6

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## **Technical Skills:**

- Java programming language, version 8
- NEURON software, including HOC and NMODL programming languages
- MATLAB (R2017a), SPSS (v23) and IGOR Pro software
- Microsoft Office software (Excel, Word, PowerPoint, 2013 versions)
- Windows and Linux systems

## **Professional Experience:**

### **2016-2017:**

*Postgraduate student, Brain and Mind Programme, Heraklion, Crete, Greece*

- Enrolled in the Brain and Mind Postgraduate Programme
- Started a laboratory rotation with Dr. Panayiota Poirazi, in the Computational Biology Lab of IMBB-FORTH
- Investigated the contribution of apical and basal dendritic trees to L2/3 V1 pyramidal cell orientation selectivity
- Currently working on a Master's Thesis on dendritic integration in L2/3 V1 pyramidal cells

### **2014-2015:**

*Participated in a startup entrepreneurship group, Heraklion, Crete, Greece*

- Four-man team lead by Dr.Sidiropoulou Kyriaki
- Aimed to develop software which enhanced working memory through “minigames”
- Effectiveness of software supported by laboratory experimental data
- Support provided via meetings with experts in FORTH
- Contributed by creating the software demo, using the Java programming language (version 8), as well as designing its form and functionality in accordance with collected experimental data
- After receiving a Bachelor's Degree from the Department of Biology, obligatory 9-month military service requirements forced departure from the team

### **2013-2014:**

*Participated in a startup entrepreneurship group, Rethymnon, Crete, Greece*

- Two-man team, including an Engineering student
- Part of participation in the Rethymnon Civil Protection Group
- Aimed to construct an automated fire-protection system for forests near urban areas
- System guards an expanse of forest, notifying relevant authorities in case it detects temperature increases, smoke or flammable hydrocarbons
- Initial plan was drafted and submitted to the Municipality of Rethymnon
- Following a lack of interest by the Municipality, departed from the team

### **2012-2013:**

*Participated in a startup entrepreneurship group, Athens, Attiki, Greece*

- Four-man team consisting mostly of undergraduate STEM students
- Aimed to create a specialized wearable sensor array
- Sensors perform ECG, EMG and gait analysis through a peltogram, and measure temperature and perspiration, in real-time
- Business Plan was drafted, submitted and presented to investors
- Left the team for personal reasons shortly before receiving a seed capital of 151,000 € and the establishment of a Private Company (now “Tribe Wearables”)

## **2011-2012:**

*Student, Neurobiology Lab, University of Crete, Dept. of Biology, Heraklion, Crete, Greece*

- Laboratory practice in the Neurobiology Lab of Dr.Sidiropoulou Kyriaki
  - Trained to use the NEURON and IGOR Pro software, as well as the HOC programming language
  - Used aforementioned tools to simulate the function of a rodent prefrontal cortex network and elucidate the factors that contribute to working memory
  - Collected and analyzed simulation data to identify specific patterns (persistent activity) and the conditions under which they occur
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## **Workshop Participations:**

1. Pre-Conference RNA-SEQ & ChIP-SEQ DATA ANALYSIS Workshop *at the Foundation for Research & Technology Hellas (FORTH), Heraklion, Crete, Greece, 5 September 2017*
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## **Conference Posters:**

1. Petousakis K-E, Papoutsi A and Poirazi P. *A Tale of Two Trees: Modeling Apical and Basal Tree Contribution to L2/3 V1 Pyramidal Cell Orientation Selectivity*. Poster Session presented at: Hellenic Bioinformatics 10; 2017 September 6-9; Foundation for Research & Technology Hellas (FORTH), Heraklion, Crete, Greece