

Contact

www.linkedin.com/in/ioannis-papavasileiou (LinkedIn)

Top Skills

Machine Learning

Python

Data Analytics

Languages

Greek

Honors-Awards

Taylor L. Booth Graduate Fellowship

Publications

Real-time Data-driven Gait Phase Detection using Ground Contact Force Measurements: Algorithms, Platform Design and Performance

Classification of Neurological Gait Disorders Using Multi-task Feature Learning

Indoor Activity Tracking for Elderly Using Intelligent Sensors

Real-time data-driven gait phase detection using infinite gaussian mixture model and parallel particle filter

Tracking Indoor Activities of Patients with Mild Cognitive Impairment Using Motion Sensors

Ioannis Papavasileiou

Sr. Machine Learning Modeling Engineer at Corning Incorporated
Corning, New York, United States

Summary

Using data to solve business problems. Interested in problems related to data mining, image/video analytics, timeseries analysis, graph problems, algorithms development, and optimization.

Experience

Corning Incorporated

4 years 8 months

Sr. Machine Learning Modeling Engineer

August 2022 - Present (9 months)

Corning, New York, United States

Machine Learning Modeling Engineer

September 2018 - Present (4 years 8 months)

University of Connecticut

Research Assistant

August 2012 - August 2018 (6 years 1 month)

Research Assistant

- Research healthcare and human computer interaction problems, such as gait analysis, classification and clustering of patient data, biometric authentication and activity recognition
- Conduct data analysis, feature engineering and machine learning modeling, including study of multimodal motion sensor data, biomarker, physiological, and big data
- Develop real-time and data-driven methods leveraging supervised and unsupervised learning, including multi-task learning, neural networks, deep auto-encoders, parallel particle filters, and non-parametric Bayesian methods
- Present research in interdisciplinary teams and at leading international conferences

Teaching Assistant

- Instruct lab sections for Matlab and Scheme programming languages
- Tutor students and grade assignments and exams

Research Academic Computer Technology Institute

Mobile Application Developer

October 2011 - July 2012 (10 months)

Patras

Developed mobile software for Android and an embedded wireless ECG sensor to monitor heart disease patients. Available on Google App store with more than 10,000 downloads.

<http://play.google.com/store/apps/details?id=com.abimed.ecg>

studio-solution.com ltd

Web Developer Internship

January 2011 - April 2011 (4 months)

New Romney, Kent, England

- Designed and developed webpages and maintained server and client side
- Optimized database systems with 50% reduction in DB size by cleaning broken records

Hellenic Telecommunications Organisation

Customer service

December 2008 - November 2009 (1 year)

Patra, Achaia, Greece

Phone directory assistant

Education

The University of Connecticut

Doctor of Philosophy (Ph.D.), Computer Science & Engineering · (2012 - 2018)

Univarsity of Patras

Diploma, Computer Engineering and Informatics · (2005 - 2011)