Michael Briden

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Publications & Projects

Publications & Workshops

- **Few-shot Classification of Healer vs. Non-Healer Wound Images**, Shubham Mahajan, Anirudh Potlapally, Michael Briden, Narges Norouzi. *In submission*.
- **Tell Me If It Heals: Future Wound Stage Prediction Through Latent Space Extrapolation**, Anthony Liu, Saif Kausar, Michael Briden, Narges Norouzi. *In submission*.
- **Robust and Explainable Wound Stage Classification**, Theophanis Fox, Michael Briden, Narges Norouzi. *In submission*.
- **Subject-Aware Explainable Contrastive Deep Fusion Learning for Anxiety Level Analysis**, Michael Briden, Narges Norouzi. *In submission*.
- **Towards Metacognition: Incorporating Subject-Aware Supervised Contrastive Learning With Deep Fusion Networks to Learn Confidence**, Michael Briden, Narges Norouzi. CVPR2022-NeuroVision.
- **WaveFusion Squeeze-and-Excitation: Towards an Accurate and Explainable Deep Learning Framework in Neuroscience** Michael Briden, Narges Norouzi. EMBC 2021.
- **Deep Feature Learning to Model Brain Network Activities**, Narges Norouzi, Michael Covarrubias , Michael Briden, Rafael Espericueta. 23rd International Conference on Information Fusion.

Projects

- **Low-shot Contrastive Clustering for Wound Healing Stage Estimation**
- **Topological Data Analysis in Information Space for Confidence Analysis with Electroencephalogram Data & Horizontal Visibility**
- **Classification of Electroencephalogram Data using SpectroImaging and Deep Neural Networks**

Education

2018 – … **PhD Student, UC Santa Cruz, Santa Cruz, CA**

2012 – 2015 **B.Sc. Mathematics, Pacific Lutheran University, Tacoma, WA**

2010 – 2012 **AS, Pierce College, Lakewood, WA**
Emphasis in Mathematics.

Teaching Assistant Experience

- **Applied Machine Learning, UC Santa Cruz**
- **Artificial Intelligence, UC Santa Cruz**
- **Beginning Programming in Python, UC Santa Cruz**
- **COSMOS Summer 2019-ML and NLP Cluster, UC Santa Cruz**
- **Data Structures, UC Santa Cruz**