Morgan Ciliv

Studying Intelligence

I'm studying computer science, machine learning, and neuroscience for effective altruism.

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EDUCATION

Bachelor of Science in Computer Science
Tufts University School of Engineering

09/2014 – Present *GPA: 3.52*

Courses

- Artificial Intelligence
- Ethics of AI, Robotics, and HRI
- Algorithms
- Machine Structure and Assembly Programming
- Machine Learning
- Directed Study in Deep Learning
- Programming Languages
- Web Programming

Mathematics Courses
Tufts University

09/2014 – Present *GPA: 3.77*

Completed Courses

- Applied Calculus 2
- Linear Algebra
- Probability
- Neural Network Algorithms
- Multivariable Calculus
- Discrete Mathematics
- Statistics
- History of Math

WORK EXPERIENCE

Research Assistant
Human Robot Interaction Laboratory

05/2017 – 08/2017 *Medford, MA*

Lab at Tufts University, worked on the dynamic neural field project

Achievements/Tasks

- Reimplemented the model from scratch and added backpropagation
- Created a GUI for presentations of the model
- Made a variety of other visualizations to understand similarities of a certain fields in the model
- Ran experiments to understand how specific neural fields behave depending on the inputs and weights of the model

Contact: Andy Valenti – 617-435-1862

Research Assistant
Human Ability and Engineering Lab

06/2016 – 08/2016 *Seattle, WA*

Lab at UW to empower human mobility through engineering and design where I worked on the gesture control technology project.

Tasks

- Organized and conducted research on how to improve patient's recovery using gesture control technology
- Reported findings to lab members

Contact: Keshia Peters – 509-999-4092

SKILLS & COMPETENCES

Conceptual Thinking	●●●●●
Modularity & abstraction	●●●●○
Python	●●●●○
C/C++	●●●●○
TensorFlow	●●●○○

TEAM PROJECTS

NeuraSense (10/2017 – Present)

- As a team of three, we're creating a classifier of different brain states from EEG data that NeuraSense's headset produces
- Prototype complete

FoodBucket (03/2016 – 05/2016)

- As team of four, we designed and implemented a website for creating bucket lists of favorite restaurants
- Used HTML, CSS, Javascript, MongoDB, JSON, node.js, Express, JQuery

ORGANIZATIONS

Social Impact 360 Fellowship (10/2014 – 05/2015)
Exercised skills in social entrepreneurship

Model United Nations (09/2011 – 06/2012)
Attended conferences in Prague and Istanbul

Tufts Men's Varsity Swim Team (09/2014 – 05/2016)
Two-time CSCAA Scholastic All-American

CERTIFICATES

Neural Networks and Deep Learning (01/2018)
Coursera course with Professor Andrew Ng

Dynamic Field Theory Summer School (08/2017)
Learned and did projects at Institut für Neuroinformatik, Ruhr-Universität Bochum

INTERESTS AND CAUSES

Neuroscience | ML | Math | Health | Environmental Protection | Special Needs