SCOTT THOMAS HESTON

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EDUCATION

B.S. Computer Science July 2015 - May 2020
Georgia Institute of Technology Overall GPA: 3.39/4 (High Honors)
Concentrations in Theory and Artificial Intelligence

B.S. Industrial and Systems Engineering
Georgia Institute of Technology
Concentration in Advanced Studies in Operations Research and Statistics

Technological Institute of Buenos Aires (ITBA) Jul 2015-May 2020
Year-long academic exchange

Peter The Great St. Petersburg State Polytechnic University (SPbPU) Summer 2016
Russian language in business and technology exchange student.

Mausi Sebess Culinary School Fall 2015
Completed a semester of Argentine culinary school on a gap year with the goal of improving competency in Spanish.

Phillips Exeter Academy Class of 2014

PUBLICATIONS

Organization for Human Brain Mapping 2019 in Rome, Italy May 2019
First Author

"Simulated TMS-EEG Biofeedback Using Automated Neural Architecture Search and Transfer Learning," coauthor Michael Borich DPT PhD.

Hackathons 2018-2019
Participant

Group participation at Johns Hopkins Medhacks 2018 and HackGT 2019.

EXPERIENCE

Neural Plasticity Research Lab, Emory University May 2018 - Present
Undergraduate Research Assistant

First author on a conference presentation and software demonstration with custom convolutional neural network architecture classifying large time signal with low inference latency. Collaborated with PhD Candidate to develop a novel low-latency biofeedback paradigm to assess acquisition of fine motor skills: involving the 3D printing, wiring, and Java bit-level driver implementation of custom hardware.

GTRI Electro-Optical Systems Lab/GT Vertically Integrated Program Jan 2018-May 2019
Undergraduate Research Assistant

Software developer of an open-source library for multi-objective non-convex optimization problems via genetic programming: implementation of Cython calculation of area under Pareto front, multithreading with SQL database job storage, running of GPU-accelerated code on a large IBM Power cluster. Primary engineer organizing a team of 7 collaborating with Emory School of Medicine. (Paid and for-credit research).

Good Samaritan Health Center March 2019 - December 2019
Interpreter

Volunteer Spanish and Portuguese interpreter at a sliding-cost clinic providing primary care, referrals, specialty consults and dental services.

AIESEC International Jan 2015-December 2017
Team Leader of B2B Sales

Facilitated team culture and effective communication as team leader for a business-to-business sales team that matches professional youth from around the world to businesses in the Atlanta area. Scott was also involved with the same organization in Argentina.

SKILLS

Languages	English native, fluency in Spanish (ACTFL "Superior" certified level of proficiency in Spanish), professional competency in written French, basic proficiency in Russian and Portuguese, Technical Translation.
Programming	Python (libraries: Numpy, Scipy, Scikit-learn, Pandas, Jupyter Notebooks, PyTorch, Keras, Multithreading, OpenCV, Selenium, Matplotlib, Stanford's NLTK), Unix Environments, AWS/Google Cloud Instance Management, implementation of hosted AI inference as a service, GPU-accelerated cluster computing, Java, MATLAB, Tableau, R, SQL, HTML/CSS/Javascript (web development and data visualization: d3.js, dc.js, crossfilter libraries), C, Assembly, Mixed-Integer and Linear Programming, LaTeX.
Concepts	Applied Probability, Stochastic Modeling, Mathematical Programming, Optimization, Artificial Intelligence, Machine Learning, Exploratory Data Analysis, Webscraping, Data Cleaning, Algorithms, Complexity Analysis, Information Visualization, Managerial and Financial Accounting, Pricing Analysis, Real Analysis, Linear Algebra, Number Theory, Combinatorics.