

Jeremy Wohlwend

about

Nationality:
Switzerland

Residence:
New York, NY

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languages

Fench, English (fluent)
German (Intermediate)

programming

C, Java, Python,
MATLAB, Bash, L^AT_EX,
& Experience in Swift,
HTML/CSS/Javascript

hobbies

sports (soccer, golf),
music (piano, guitar)

Phi Delta Theta
Fraternity Alumnus
(was President and
Recruitment
Chairman)

education

- 2016-2017 **M.Eng. in Computer Science and Engineering**
Massachusetts Institute of Technology, Cambridge MA
Focus in Artificial Intelligence.
Teaching assistant in 6.009: Fundamentals of Programming
Relevant classes: machine learning, statistical learning theory
- 2012-2016 **B.S. double major in Computer Science and Mathematics**
Massachusetts Institute of Technology, Cambridge MA
Relevant classes: software and performance engineering, algorithms, machine learning, theoretical mathematics, neuroscience.
- 2008-2012 **French Baccalauréat with honors** scientific section
Institut Florimont, Geneva, Switzerland (2008-2010)
International School of Boston, Cambridge MA (2010-2012)
Specialization in mathematics and physics.

professional experience

- since 10/17 **ASAPP Inc.**
One World Trade Center, Suite 83 N, New York NY
Research Engineer. Working on natural language understanding.
- since 09/16 **International School of Boston, Board member**
International School of Boston, Cambridge MA
Member of the Board of Trustees. First and only alumnus on the board.
Active in the school governance and the development committee.
- since 01/15 **Synthetic Neurobiology Group, Boyden Lab**
Media Lab, Massachusetts Institute of Technology, Cambridge MA
Research Assistant. Built a software for expansion microscopy simulations.
Currently working on a semi-supervised approach to connectomics.
- 06-08 2014 **ProtonMail**
Geneva, Switzerland
Summer Intern. Built prototype iOS application.
Experienced with cryptography on mobile devices.
- 01-06 2013 **Poggio Lab, McGovern Institute for Brain Research**
Massachusetts Institute of Technology, Cambridge MA
Research Assistant. Ran psychophysics experiments and data analysis on a pose-invariant body recognition task

awards and workshops

- 01-02 2014 **MIT Start6 Workshop**
Massachusetts Institute of Technology, Cambridge MA
Month long workshop on how to build a startup
Received a 500\$ grant to invest in a personal project
- 2014 **Brain and Cognitive Science department Award**
Massachusetts Institute of Technology, Cambridge MA
Outstanding academic record
- 2012 **High School Mathematics Award**
International School of Boston, Cambridge MA

publications

- 2017 **Feasibility of 3D Reconstruction of Neural Morphology using Expansion Microscopy and Barcode-Guided Agglomeration**
Frontiers in Computational Neuroscience
Authors: Young Gyu Yoon, Peilun Dai, Jeremy Wohlwend, Jae-Byum Chang, Adam H. Marblestone, and Edward S. Boyden
- 2017 **Enabling Scalable Multicolor Connectomics Through Expansion Microscopy**
M.Eng Thesis, MIT DSpace
Author: Jeremy Wohlwend
Supervisors: Adam H. Marblestone, Edward S. Boyden
- 2013 **Body-form and body-pose recognition with a hierarchical model of the ventral stream**
MIT CSAIL publications
Authors: Heejung Kim, Joel Z. Leibo, Jeremy Wohlwend, and Tomaso Poggio