Cooper Pellaton

Phone	+1 (203) 291-9803
Email	c@cepp.ch
Online	cepp.ch
Github	cooperpellaton
Twitter	@c__p_r
WeChat	cognisant

Education

Georgia Institute of Technology

BS Computer Science *May 2019*

Relevant Coursework:
Computer Architecture, Algorithms, Combinatorics, Compilers, Operating Systems

Extracurricular Activities:
President of Great Conversations, Financial Advisor to HackGT

Facts

Recipient of 1 US patent.

Attended 15+ hackathons.

Contributor to open source projects such as Nylas N1, Nylas Sync Engine, FastMail's JMAP specification, JMAP-Server, JMAP (Perl), and Intel-Caffe.

Skills

Programming

Python, Node.js, TensorFlow, (Py)Torch, C, Spark, Lua

Languages
English, French, Mandarin

Interests

Healthcare, particularly the intersection of technology with the patient experience.

Large-scale, distributed problems that relate to CV, ML and/or Deep Learning.

Work Experience

Undergraduate Researcher - CABI *Present*

Worked in the Wheeler Lab at Georgia Tech in the Center for Advanced Brain Imaging. Used Deep Learning on neuroscience studies to find previously unkown medical characteristics.

Developed an automated pipeline for the processing of raw scanner images (DCMs) to a Deep Learning model yielding factor correlations.

Deep Learning Intern - Video++ *Summer 2017*

Travelled to Shanghai, China to work for Video++ ($300M USD evaluation). Assumed the position of Interim Chief Scientist and lead a team of 15 people working on core product (ML/DL & CV for video advertising).

Shipped 10x speed improvement to the core processing pipeline and algorithm. Architected an entirely new pipeline with increased performance in 1 month.

Software Developer - Cigna *Summer 2016*

Worked on the Software Engineering & Innovations (SE&I) team to ship a continuous integration pipeline, internal dashboard and developed a proof of concept for an elderly healthcare project.

Worked directly with IT VP Eric Consolazio on a cross-company collaboration that connected Cigna and Yale (details held under NDA).

Personal Projects

Highlights

Python, Tensorflow

2nd place at YHACK 16 and winner of the A+E Challenge. YouTube powered by ML and CV to extract key contents of videos and present them to end user.

Judgd

Node.js, Python, TensorFlow

HackGT 2016 (won best use of AWS). Deeplearning hack that uses Devpost submissions to predict hackathon winners. Model composed of 52K points.

ResQ

TypeScript, Tensorflow, Python, Java

Winner of HackMIT 2017's Made from Scratch prize. A suite of software that uses machine learning and augmented reality to help disaster responders prioritize triage victims.

PrintShare

Node.js, .NET

An EMR interoperability hack which leverages printing, postscript and AWS Lambda to exchange medical records freely.

PGE – Pretty Good Email

Javascript, Node.js

A local PGP mail encryptor designed to step into the FastMail HTTP stack and integrate with Keybase.

HOTLINE-BING

MEAN Stack, Twilio, Priceline API

YHACK 2015 (won two API-challenges). An SMS service that lets you search Bing or book a hotel using Priceline.