

# Jonah Kohn

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github.com/jonah-kohn

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## EDUCATION

**Reed College**, Class of 2021

*Portland, OR*

Studying toward B.A -- Interdisciplinary Major in Computer Science and Neuroscience.

## EXPERIENCE

**Google – Software Engineering Intern**, May 2020 – present

*Remote - Portland, OR*

Writing usage guides for software on the Tensorflow - Keras team, for an API which distributes Keras model training on GCP. Refining the API's instructions and workflows as one of its earliest users, allowing for easier adoption by others. Contributing to the Tensorflow code repository by adding small features and fixing bugs.

**Reed Computer Hardware Services – Repair Technician**, September 2019 – present

*Portland, OR*

Repairing student and faculty computers, sometimes under adverse or time-sensitive conditions such as water damage. Recovering sensitive data. Managing distribution of hundreds of laptops to faculty and staff.

**Allen Institute for Brain Science – Imaging Software Intern**, June 2019 – August 2019

*Seattle, WA*

Developed automation solutions for imaging processes using image-segmentation neural networks, primarily analyzing data collected via confocal microscopes. Built framework to eliminate a data “choke-point” that had been slowing analysis on one of the Institute’s most vital tools. This enabled 18 months of manual annotation to be completed in 6 weeks. Co-author on pending research paper utilizing this software.

**Kachka – Kitchen**, May 2018 – March 2019

*Portland, OR*

Prepared dishes at one of Portland’s finest restaurants. Worked directly with restaurant founder, Chef Bonnie Morales, a James Beard Award nominee and New York Times columnist.

**Ervin Somogyi Guitars – Assistant**, July 2016 – August 2017

*Berkeley, CA*

Constructed acoustic guitar elements for world-renowned luthier Ervin Somogyi. Designed my own guitars and experimental sections, all hand built. Youngest assistant ever employed by Mr. Somogyi.

**Francis Mallmann’s 1884 – Stagiaire**, February 2017– May 2017

*Mendoza, Argentina*

Prepared dishes on a bonfire at one of South America’s top-ranked restaurants under Chef Francis Mallman.

## SKILLS

**Python** 3+ years of experience through coursework and personal projects, including: applying algorithms and data structures to resolve large problems; training and deploying machine learning models; contributing to large open-source repositories.

**C++** 2.5+ year of experience through coursework, including a large project building a functional replica of Facebook’s Memcached system with an eye toward low-level optimization.

**Surgery** Performed 11 successful stereotaxic cannulations on Sprague-Dawley rats in Neuroscience courses at Reed College for pharmacology experiments.

**Computer Surgery** Apple-certified repair technician, with over 100 successful operations on failing laptops and desktops. Proficient in models released from 2011 to 2019.

## AWARDS

**Issued Patent** (July 2015): US 9088839 B2, Multimedia Auditory Augmentation – For sound technology that I began developing at age 13.

**Google Science Fair** (International) – *Category Winner* (one of three among over 10,000 applicants)

**White House Science Fair** – (National, by invitation only)

**California State Science Fair** – *First* in Cognitive Science, and UCLA Brain Research Institute Special Award.

**Capita Foundation Grant** – Only non-Ph.D. recipient of a research grant in history of the foundation.

## INTERESTS

Backpacking - Skiing - Rock Climbing - Outdoor Cooking - Guitar