

mattoribirnbaum

computer scientist / polyglot

contact

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USA

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🏠 http://mattori.com

🌀 PsychicNoodles

in mattori-birnbaum

languages

native English
conversational 日本語
elementary 中文
basic 한국어

programming

Java, Clojure, Scala
C, Ruby (+ on Rails)
Python, Scheme, Coq
HTML5 & JavaScript
MySQL/databases
LaTeX

coffee

Cafe Grumpy,
Brooklyn, NY
2015 Intern
Made the best cold
brew coffee in NYC

academic highlights

Comp Linguistics
Data Structures
Operating Systems
Parallel Algorithms
Soft Dev Principles
Discrete Structures
Analysis of Algorithms
East Asian Religions
Jpn Society & Culture
Sociology

education

- 2015 - present **Bachelor of Arts (intended graduation 2019)** Grinnell College
Computer Science major
East Asian Studies concentration
- Fall 2017 **IES Abroad Nagoya Direct Enrollment** Nanzan University
Semester abroad in Nagoya, Japan

experience

computer science

- Summer 2018 **Grinnell College Computer Science dept.** Undergraduate Researcher
Co-developed Alex, a software profiler
Project: <https://github.com/PsychicNoodles/alex>
- Summer 2017 **Grinnell College Computer Science dept.** Undergraduate Researcher
Co-developed Alpaca: Energy Profiler
Project: <https://github.com/PsychicNoodles/alpaca-validation>
- Summer 2016 **Principal Financial Group** IT Intern
Developed updates and debugged existing Java web base
Worked with full-time team in Retirement Income Solutions - Salesforce

leadership

- Summer 2018 **HLAB Tokyo** Camp Mentor
Taught web dev/Ruby on Rails seminar to Japanese high school students
Mentored high schoolers (in EN and JP) about future and personal matters
- 2017 - 2018 **Grinnell College Computer Science dept.** Peer Educator
Tutor: *Helped students with assignments*
Class Mentor: *Offered office hours, lab assistance for students*
- 2016 - present **Grinnell College Chinese/Japanese dept.** SEPC Representative
Elected to Student Educational Policy Committee (SEPC)
Organize department events and evaluate new or under review professors
Bridge the gap between faculty and student body
- 2015 - present **Grinnell AppDev (appdev.grinnell.edu)** Android Lead/Developer
Develop apps for on-campus organizations
Manage a team of junior members and work with community members
Director of Education: *Teach trainees Android through app development*
- Spring 2017 **Grinnell College Experimental College (ExCo) Program** ExCo Teacher
Volunteered to develop and teach Python & data structs to non-CS students
- Spring 2016 **Pioneer Weekend** Entrepreneurship Hack-a-thon Participant
Developed business idea targetted at high schoolers searching for colleges