



Jeevan T. Farias

EDUCATION

Columbia University in the City of New York
BA Candidate in Computer Science, Concentration in History. Expected graduation May 2019.

OPEN-SOURCE CONTRIBUTIONS

Google Summer of Code - Fellow, 6/2017 - 9/2017 (New York, NY)

- Worked full time with the Processing Foundation on p5.js-sound: the sound library of p5.js, a Javascript framework that emulates the syntax and intuition of the Processing programming language
- Built new features and restructured the existing codebase for modularity
- Created new audio processing effects and an accurate timing system for audio production.
[https://jvntf.github.io/gsoc_workproduct/]

PROFESSIONAL EXPERIENCE

Computer Science Department

of Columbia University - Course Assistant, 9/2016 - 5/2017, 9/2018 - present (New York, NY)

- Teaching assistant for Columbia University course COMSW4995, Introduction to Data Visualization with Professor Agnes Chang, class size of 35.
 - Held office hours, answered questions online, gave critique, and graded projects and exams
- Teaching assistant for Columbia University course COMSW1004, Introduction to Computer Science and Programming in Java, class size of 300.
 - Held office hours, answered questions online, graded problem sets and exams

Center for

Spatial Research (C4SR) - Research Assistant, 9/2016 - 1/2017,

9/2017 - 8/2018, 2/2019 - present (New York, NY)

- Researching the use of IPFS and DAT protocols for accountability and collective ownership of user data, especially with regard to location
- Created web maps and data visualizations with CS4 at Columbia University's Graduate School of Architecture, Planning, and Preservation (GSAPP)
- Built custom CMS for management of a MongoDB database by non-technical users
- Worked primarily with Python and Javascript (Node.js, D3.js, p5.js)
[<http://c4sr.columbia.edu>] [https://centerforspatialresearch.github.io/columbia_site/]
[<https://beyond-the-census.herokuapp.com>]

Brown Institute for Media Innovation - Research Assistant, 2/2018 - 7/2018 (New York, NY)

- Built the website and visualization for a collaborative research project between Columbia University's GSAPP and Graduate School of Journalism
[<https://canners.nyc>] [<https://brown.columbia.edu>]

WKCR-FM - Director of Engineering and Operations, 1/1/2018 - present

Radio Programmer, 2016 - present

- Oversaw general equipment usage and repaid of both playback and broadcast technology
- Taught classes on live music recording and broadcasting, and all playback technology relevant to FCC licensing
- Developed new and modern infrastructure for playing and recording music at WKCR
- Curated programming for music shows in the In All Languages, American, and Jazz Music departments

RESEARCH AND COURSEWORK

Computer Science Department

of Columbia University - Researcher, 9/2018 - present

- Worked with Professors Suman Jana and Baishakhi Ray with the goal of developing a tool for security vulnerability prediction in uncompiled source code

Relevant Coursework:

- Security Architecture and Engineering, Computer Networks, Programming Languages and Translators, Computer Science Theory, Fundamentals of Computer Systems, Linear Algebra, Discrete Mathematics

COLLEGIATE + VOLUNTEER EXPERIENCE

Columbia University Journal of Literary Criticism - Design Editor, 2016 - present

- Led graphic and layout design for an undergraduate literary publication

The Petey Greene Program - Tutor, 2016 - present

- Volunteer tutor to incarcerated youth on Rikers Island

CONTACT

E-mail

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Portfolio

<http://github.com/jvntf>

Website

<http://jvntf>

SKILLS

Computer Science

programming languages

C, C++, Java, Ocaml,
Javascript (Native, Node.js),
Python, Ruby

tools

Git, Unix

web

HTML/CSS

Software

graphic design

Adobe Photoshop,
Illustrator, InDesign

3d design

Rhinoceros, Autodesk
AutoCAD, Blender, Cinema
4D

music production

Ableton Live

Music

Trumpet Player / Composer /
Producer

Fabrication

3D Printing
Laser / CNC / Vinyl Cutting
Soldering / Welding / Sewing
Woodworking

Language

Spanish