Jeevan T. Farias

EDUCATION

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

WORK 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, 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

Google Summer of Code - *Developer, 6/2017 - 9/2017 (New York, NY)*
- Wrote and executed a 12 week proposal to independently contribute to the open source codebase of p5.js-sound: the sound library of p5.js (Javascript framework that emulates the syntax and intuition of the Processing programming language)
- Redesigned features and refactored existing codebase for modularity
- Created new audio processing effects and an accurate timing system for audio production.
- Optimized features for performance and efficiency

[https://jvntf.github.io/gsoc_workproduct/]

Center for Spatial Research (C4SR, Columbia University) - *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
- 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/colombia_site/] [https://beyond-the-census.herokuapp.com]

Brown Institute for Media Innovation (Columbia University) - *Research Assistant, 2/2018 - 7/2018 (New York, NY)*
- Built the website and data 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

ARiSE Lab - *Researcher, 9/2018 - present*
- Studied the use of machine learning in program analysis under the guidance of Professors Suman Jana and Baishakhi Ray, faculty of the Computer Science Department at Columbia University

Relevant Coursework:
- Operating Systems, Natural Language Processing, Security Engineering, 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://jvn.tf

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

REFERENCES

Available upon request