Jacob Wolf

wolfie.dev/
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Education

Stanford University
B.S. Symbolic Systems, 2019
(Learning concentration)

COURSEWORK
Social Computing
Computer Systems & Algorithms
Educational Philosophy
Learning Psychology

Teaching

Data Science
(Pandas, Matplotlib)

Intro. Programming
(Python, C++, Java, Scratch)

Web Development
(HTML, CSS, Bootstrap, Django)

Computer Systems & Networking
(Raspberry Pi, Unix)

Human-Centered Design

Programming

Python, Javascript, C++
Hugo, Gatsby, Django
React.js, Paper.js

Research

Literature Reviewing
Interviewing & Transcribing
Data Analysis & Visualization
(Tableau)
Qualitative Coding
(NVivo)

Activities

CS + Ed Reading Group
Tactical Internet Collective

Experience

CS Curriculum Designer & Teacher, Columbia Teacher's College & ISF Academy
Aug 2019 - Jun 2021; Hong Kong
› Collaborating with the Transformative Learning Technologies Lab to develop a 2-year, constructionist computer science course (cs.fablearn.org/)
› Teaching 40+ high schoolers to build personally-meaningful projects in subfields from computational art to ADTs
› Founded department cultivating computational culture at school

Makery Mentor, Stanford University
Jan 2019 - June 2019; Stanford, CA
› Designed & taught a course for 20+ graduates & undergraduates on using digital & physical fabrication tools to create edtech
› Facilitated learning theory & learner-centered design discussions
› Organized expert feedback sessions

Kitchen Manager, Synergy House
Aug 2018 - June 2019; Stanford, CA
› Managed a cooperative kitchen serving 50+ residents with a variety of dietary needs
› Developed & maintained relationships with food suppliers
› Evaluated consumption patterns to reduce food waste & cost

Impact and Innovation Intern, Pathways to Education
Jun 2018 - Aug 2018; Toronto
› Researched impact of constructivist learning theory & learning-centered design on edtech development
› Developed a web-based explorable explanation of edtech trends

Publications

Chris Proctor, Jenny Han, Jacob Wolf, Krates Ng, Paulo Bilkstein. 2020.
Recovering Constructionism in Computer Science: Design of a Ninth-grade Introductory Computer Science Course.
Proceedings of the 2020 Constructionism Conference.

Jacob Wolf, Roy Pea (Advisor), John Willinsky (Program Director). 2019.
Scripting Social Learning: Investigating Students' Perceptions of Social Constructivist Learning in Minerva's Online Learning Environment.
Undergraduate Honors Thesis in the Stanford Graduate School of Education

Amanda Boone, Eileen Rivera, Jacob Wolf. 2018.
Patchwork: An Expressive E-Textile Construction Kit.
ACM Conference on Interaction Design & Children (IDC).