

# Finn Voichick

WashU BS/MS student, CS & Math · [finn.voichick.com](http://finn.voichick.com)

## Education

Washington University in St. Louis (*August 2016 – Present*)

- Bachelor of Science in Computer Science (*May 2020*)
  - Second Major in Mathematics
  - Minor in Philosophy-Neuroscience-Psychology
- Master of Science in Computer Science (*May 2020*)
  - Certificate in Data Mining and Machine Learning
- GPA: 4.0
- Ernest D. Weiss Junior Award for Academic Excellence

## Experience

Research Assistant, HCII, Carnegie Mellon University (*May – August 2018*)

- Studied API design and documentation from the perspective of mental models
- Developed ALABASTER, a Pycharm plugin to be used in conjunction with an API
- Coauthored a CHI 2019 Late-Breaking Work [paper](#).
- Coauthored a VL/HCC [paper](#).

Research Assistant, Washington University in St. Louis (*August 2018 – Present*)

- Working to evaluate a new model of API learning
- Developed a logging system for tracking user actions across applications
- Designed and analyzed an experiment that tested developers using an unfamiliar API
- Authored a VL/HCC [paper](#).

Research Assistant, QuICS, University of Maryland (*June – August 2019*)

- Studied Haah's algorithm for quantum signal processing decomposition
- Worked to implement, visualize, and speed up the algorithm

Teaching Assistant, Introduction to Quantum Computing (*August 2019 – Present*)

- Writing homework assignments, holding office hours, lecturing

Notable Classes

- Human-Computer Interaction Methods
- Advanced Algorithms
- Programming Systems and Languages
- Bayesian Methods in Machine Learning
- Independent Study · Quantum Computing

## Activities

Head of Enrichment, [Studio TESLA](#) (*September 2016 – Present*)

- Leading the curriculum design for after school STEM clubs in underserved middle schools
- Coordinating twenty Enrichment team volunteers across four groups

Lead Developer, [BitBrawl](#) Programming Competition (*Summer 2016 – September 2018*)

- Designing and implementing an AI programming competition for college and high school students