

# FINN VOICHICK

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

## EDUCATION

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

- Majors: Computer Science, Mathematics
- Minor: Philosophy-Neuroscience-Psychology
- GPA: 4.0
- Expect to receive a Master of Science in Computer Science in spring 2020
  - with a Certificate in Data Mining and Machine Learning

## EXPERIENCE

Head TA, Introduction to Parallel and Concurrent Programming (*January 2017 – Present*)

- Significant contributions to the design of many homework assignments
- Scheduling and organizing 16 TAs for 96 students
- Substitute lecturing

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

- Studied ways to make Apache Beam and Google Cloud Dataflow more usable for data scientists
- Presented to Google engineers about concerns with their cloud computing mental model
- Developed ALABASTER, a PyCharm plugin to improve discoverability when using Beam
- Coauthored a paper submitted to CHI Late-Breaking Work

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

- Studying how developers learn new APIs
- Developed a logging system for tracking user actions across applications
- Designing a study for testing developers using an unfamiliar API (*in progress*)

General Programming Experience

- High proficiency in Java (and Kotlin), including JUnit and many concurrent programming features
- Proficiency in Python, SQL, HTML, Git, JavaScript, C++, SML, MATLAB, and Apache Spark
- Familiarity with Linux, regex, Racket, Ruby, PHP, CSS, and Haskell

Notable Classes

- Independent Study – Quantum Computing (*in progress*)
- Human-Computer Interaction Methods
- Probability
- Linear Algebra and Differential Equations (*UW-Madison*)
- Advanced Algorithms
- Bayesian Methods in Machine Learning (*in progress*)

## ACTIVITIES

Lead Developer, BitBrawl Programming Competition – [bitbrawl.org](http://bitbrawl.org) (*Summer 2016 – Present*)

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

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

- Leading the curriculum design for after school STEM clubs in underserved middle schools