Finn Voichick

WashU BS/MS student, CS & Math – finn.voichick.com

EDUCATION

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

- Majors: Computer Science, Mathematics
- Minor: Philosophy-Neuroscience-Psychology
- GPA: 4.0
- Antoinette Frances Dames Award for Outstanding Academic Performance
- 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
- Writing exam questions
- Substitute lecturing

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

- Studying ways to make Apache Beam 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

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

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 regex, Linux, PHP, and CSS

Notable Classes

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

ACTIVITIES

Lead Developer, BitBrawl Programming Competition – 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