

# Ethan Jaynes

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## Experience

### Washington University in St. Louis

*Research Assistant*

*Summer 2017*

Assessed the performance of big data applications on a variety of heterogeneous computer architectures. Wrote and optimized OpenCL code to efficiently run on traditional multicores, GPUs, and FPGAs. Created and presented research poster for students and faculty.

*TA for Introduction to CS*

*Fall 2016-Present*

*TA for Data Structures & Algorithms*

*Spring 2017-Present*

Helps students complete studio assignments in class. Grades exams and lab assignments. Helps answer student questions in an online class forum.

### KWUR 90.3 FM

*Genre Director: Metal*

*Spring 2017-Present*

*Genre Director: Wave*

*Fall 2016-Spring 2017*

Identify and solicit new music to be played on air. Sort and organize new releases. Determine what new music is played and conduct quality assurance checks. Report broadcasting data to College Music Journal. DJ a weekly freeform radio show. Assist in organizing and promoting monthly and yearly concerts hosted by the station.

*Webmaster*

*Spring 2017-Present*

Manage the semester scheduling app as well as the official radio station website.

### Washington University Student Life Newspaper

*Senior Online Editor / Webmaster*

*Spring 2017-Present*

Senior site administrator, in charge of designing new pages and special features as required by the editors, network security, server maintenance and general upkeep of website which receives 200,000+ page views every month.

### Post-Trash.com

*Contributing Writer*

*Summer 2016-Present*

Write album reviews for online music publication run by Exploding in Sound records. Had pieces featured on home page.

### AUX Magazine

*Founding Member, Writer*

*Fall 2016-Present*

Write album reviews, spreads, lists and features for Washington University's first music magazine.

## Education

### Washington University in St. Louis

Candidate for Bachelor of Science in Computer Science with a Minor in Economics, 2019  
GPA: 3.6, Dean's List

### Clarkstown High School North

GPA: 4.3, top 5 in class of 350  
5/5 on 6 AP tests, 35 on ACT

## Skills

**Programming:** Java, C++, PHP, HTML, CSS, Javascript, Python, OpenCL, Swift

**Tools:** MySQL/PostgreSQL, Apache/AWS, Heroku, WordPress, Flask/Django, Node.js, AngularJS, Assembly/Jasmine, Selenium, SEO

Implementation of data structures & algorithms

Parallel & concurrent programming

**Other:** Adobe Creative Suite, Microsoft Office, Logic Pro, Final Cut Pro  
Social Media

Digital photography & video

## Projects

Personal website (see GitHub)

Developed bots that scrape Genius.com and use Markov chaining to dynamically generate and tweet text snippets.

Designed and hosted a novelty website based on Silicon Valley (HBO). Reached 1k+ daily active users.

Founded and organized annual TEDx event at the Clarkstown Central School District.

## Activities

Washington University Rugby Club

Varsity high school rowing

Film photography

Record collecting