

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 and contribute to the semester scheduling app. Redesign and improve 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 website for college radio station. Implemented open-source CMS panel and Spinitron API integration

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