Ethan Jaynes

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Experience

Visa

Software Engineering Intern — *Summer 2018*

Architected and developed a .NET application for monitoring debit processing server activity that improved the efficiency of the QA process exponentially. Designed and integrated a state-of-the-art Jenkins CICD pipeline. Moved fluidly between SWE & DevOps roles.

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-Fall 2017*

Help students complete studio assignments in class. Grade exams and assignments. 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, solicit, and designate new music to be played on air. Sort and organize new releases. Conduct quality assurance checks. DJ a weekly freeform radio show. Assist in organizing and promoting monthly and yearly concerts hosted by the station.

Webmaster — *Spring 2017-Present*

Redesigned and rebuilt station website. Manage, patch, and contribute to the semester scheduling app.

Washington University *Student Life* Newspaper

Senior Online Editor / Webmaster — *Spring 2017-Present*

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

Post-Trash.com

Contributing Writer — *Summer 2016-Present*

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

Education

Washington University in St. Louis
Candidate for Bachelor of Science in Computer Science with a Minor in Economics, 2019
GPA: 3.7, Dean's List

Skills

Programming:

Languages: C#, C++, Python, Java, HTML, CSS, JavaScript, PowerShell, OpenCL, Swift

Tools: ASP.NET, MVC, MySQL, jQuery, MongoDB, Apache, AWS, Jenkins, Scrum/Agile, Heroku, WordPress, Django, Node.js, SEO

Approaches: Implementation of data structures & algorithms, parallel & concurrent programming

Other:

Adobe Creative Suite, Microsoft Office, Logic Pro, Final Cut Pro, digital photography & video

Projects

Personal website (see GitHub)

Designed and hosted website for college radio station. Implemented open-source CMS panel and Spinitron API integration

Designed Twitter bots that scrape websites like Genius.com to generate novel content

Created analytics and automation tools for university newspaper and radio station

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