

Alexander Eusman

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Education

Johns Hopkins University

Bachelors Of Science | May 2018

- Majors: Computer Science and Neuroscience
- Related coursework: Computer Networks, Parallel Programming, Object Oriented Software Engineering, Neural Network Theory and Data Structures
- Departmental GPA: 3.45, Overall GPA: 3.02

Work Experience

Neurodata (Formerly The Open Connectome Project) | January 2015 - Present

Open Source Full Stack Developer

- Built a RESTful service to generate large-scale graphs from neuron annotation data.
- Collaborated on a pipeline for automatic retrieval and ingest of large amounts of image data into the image storage service.
- Contributed to the open-source python API of the Neurodata services, Ndio. Co-author on a poster for Ndio, to be displayed at the annual Society For Neuroscience conference.
- Created an automated installation script for deploying new servers, which was converted into a Chef cookbook for use in node management.
- Benchmarked a large number of graph storage database systems to determine an effective method of storage and retrieval.
- Implemented automated testing framework Travis for testing the server stack.
- Added a security authentication layer into the Neurodata stack, securing the access to non-public data, which requires scaling for hundreds of large data requests per minute.

Student Technology Services | August 2014 - April 2015

Lead Technical Writer

- Generated reports on website traffic for analysis, managed the blog, as well as created content for the sites managed by STS.
- Met with potential customers of the service and turned customer business requirements into technical documents for developers.
- Formalized the approach for site data analysis using tools such as Google Analytics, Excel and Python.

Leadership

Mental Notes | August 2014 – Present

Business Manager (Dec. 2015 – Present), Secretary (Dec. 2014 – Dec. 2015)

- The Mental Notes are Johns Hopkins' only comedy a cappella group.
- Elected as secretary, automated the email and calendar, as well as revamped the website.
- Elected business manager, wrote a secured web form to handle all new member signups to comply with new private data university guidelines and secured five grants.

Skills & Abilities

Programming

- Proficient knowledge of Python, Django (Standard and Authentication), MySQL, Bash scripting, the AWS ecosystem and Java.
- Rudimentary knowledge of C/++, Nginx, HTML, Chef, Docker, PHP, Neo4j and ArangoDB.