

Amit Leon

<http://aumitleon.com>
aumitleon@gmail.com | 646-248-4185

EDUCATION

MIDDLEBURY COLLEGE

B.A COMPUTER SCIENCE

Expected Feb 2020 | Middlebury, VT
Cum. GPA: 3.5/4.0

CUNY HUNTER COLLEGE

Sep 2014 - May 2015 | New York, NY
Cum. GPA: 4.0 / 4.0

LINKS

Github:// [AmitLeon](#)
LinkedIn:// [AmitLeon](#)
Medium:// [AmitLeon](#)

SKILLS

PROGRAMMING

Experienced:

C++ • Python • C • Matlab

JavaScript • \LaTeX

Proficient:

Java • Ruby • Bash

Prior Experience:

R • MySQL • Postgres

FRAMEWORKS/LIBRARIES:

Node.js • React.js • Express •

D3.js • Django • ggplot2 • NumPy •

Pandas • TensorFlow • Scikit-Learn •

PyTorch • Keras

GENERAL TECHNOLOGIES:

HTML • CSS • Bootstrap •

Linux/UNIX • SQL • Git/Github • AWS

OTHER INTERESTS/SKILLS:

Data Science • Statistical/Machine

Learning • Bioinformatics •

Open Source • Systems

ACTIVITIES

MIDDLE ENDIAN C.S

PRESIDENT | SEP 2016 - CURRENT

TREASURER | SEP 2016 - MAY 2017

Middle Endian works to develop an appreciation for technology at Middlebury via community oriented events, talks, and projects.

EXPERIENCE

MIDDLEBURY COLLEGE | COMPUTER SCIENCE TUTOR & GRADER

Feb 2018 - May 2018 | Middlebury, VT

- Working to help students grasp Computer Architecture course concepts.
- Providing academic assistance to students working on Computer Architecture projects.
- Grading Computer Architecture assignments and providing feedback to both professors and students.

INDIGO AGRICULTURE | CONSULTING SOFTWARE ENGINEER

Sep 2017 - Dec 2017 | Charlestown, MA

- Worked to enhance, maintain, and improve Indigo's bioinformatics server platform.
- Created more efficient research pipelines through the Galaxy open source bioinformatics ecosystem.
- Developed custom solutions for the R&D pipeline, with a focus towards open source software and AWS infrastructure.

INDIGO AGRICULTURE | SOFTWARE ENGINEERING INTERN

July 2017 - Aug 2017 | Charlestown, MA

- Developed solutions that made informatics analysis more efficient for non-technical scientists within Indigo's R & D department.
- Developed, prototyped, and deployed a bioinformatics server that accommodated genomic and proteomic analysis through the use of existing tools popular in the wider quantitative biological sciences community (such as BLAST, ClustalW, Bowtie).
- Pushed a Galaxy instance to production while maintaining an active pipeline for the integration of in-house tools.

SQUID INC. (FLEEK) | SOFTWARE ENGINEERING INTERN

Sep 2015 - Dec 2015 | New York, NY

- Maintained internal developer dashboards via Node.JS and Python.
- Optimized for growth of our user base by creating internal tools and managing our Parse database.
- Oversaw the launch of our app to 1000+ more campuses during my internship.

PROJECTS

OBSERVING THE EVOLUTION OF MUSIC WITH THE MSD

Nov 2017 - Dec 2017

Worked with Mariana Echeverria to analyze the Million Songs Dataset. We used deep Neural Nets and K-NN clustering to predict the year a song was released (75% accuracy), and K-Means clustering for a more granular analysis of music features.

EMAIL SPAM CLASSIFICATION

Oct 2017 - Nov 2017

Developed a highly accurate Support Vector Machine model that could classify emails from the preprocessed Enron Spam dataset as spam or ham (non-spam). Achieved 99.6% accuracy, best in class.