

# Aumit Leon

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## EDUCATION

### MIDDLEBURY COLLEGE

B.A COMPUTER SCIENCE

Expected Feb 2020 | Middlebury, VT  
Cum. GPA: 3.62/4.0

## COURSEWORK

### UNDERGRADUATE

Mathematical Foundations of C.S  
Data Structures  
Computer Architecture  
Theory of Computation  
Machine Learning  
Quantum Computing  
Algorithms  
Systems Programming  
Data Science

## SKILLS

### PROGRAMMING

Experienced:

C++ • Python • C • Matlab  
JavaScript •  $\LaTeX$  • R • SQL • Bash

Proficient:

Java • Ruby • TypeScript

### FRAMEWORKS/LIBRARIES:

Node.js • React.js • Express •  
D3.js • Django • ggplot2 • NumPy •  
Pandas • TensorFlow • Scikit-Learn •  
PyTorch • Keras • Serverless

### GENERAL TECHNOLOGIES:

HTML • CSS • Bootstrap •  
Linux/UNIX • SQL • Git/Github • AWS  
CircleCI • Snowflake • REST • GraphQL

### OTHER INTERESTS/SKILLS:

Data Science • Statistical/Machine  
Learning • Systems •  
Open Source • CI/CD • Automation

## ACTIVITIES

### MIDDLE ENDIAN C.S CLUB

PRESIDENT | SEP 2016 - MAY 2018

TREASURER | SEP 2016 - MAY 2017

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

## EXPERIENCE

### INDIGO AGRICULTURE | SOFTWARE ENGINEERING INTERN, RESEARCH

June 2019 - Aug 2019 | Charlestown, MA

- Automated bioinformatic analyses to increase overall throughput of R&D pipelines.
- Built scalable, cloud native infrastructure around research tools to facilitate parallelized analysis.
- Developed pipelines for validating, storing, and ingesting R&D data into a scalable data warehouse.
- Deployed production ready software through microservices architectures and CI/CD workflows.

### STAPLE HEALTH | SOFTWARE ENGINEER, CONSULTANT

Sept 2018 - May 2019 | Middlebury, VT

- Assisted in the design of an interactive machine learning platform used by Staple Health customers.
- Built, cleaned and maintained databases used as input to predictive models.
- Designed Natural Language Processing models to predict medical non-adherence and various diagnoses.

### INDIGO AGRICULTURE | SOFTWARE ENGINEERING INTERN, RESEARCH

June 2018 - Aug 2018 | Charlestown, MA

- Deployed R&D tools to production via a microservices architecture.
- Developed a high throughput infrastructure for internal tools that spins up compute resources on demand.
- Implemented a custom pipeline for developing, testing, and deploying Data Sciences tools to end users.
- Supported the development of modularized infrastructure across team projects.

### MIDDLEBURY COLLEGE | COMPUTER SCIENCE TUTOR & GRADER

Feb 2018 - May 2018 | Middlebury, VT

- Worked to help students grasp Computer Architecture course concepts.
- Provided academic assistance to students working on Computer Architecture projects.
- Graded Computer Architecture assignments and providing feedback to both professors and students.

### INDIGO AGRICULTURE | DATA SCIENCES CONSULTANT

Sep 2017 - Dec 2017 | Charlestown, MA

- 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 | DATA SCIENCES 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 and deployed a bioinformatics server that accommodated genomic and proteomic analysis and the integration of in-house tools.)