

# Lawrence Lee

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## EDUCATION

### Pennsylvania State University | Schreyer Honors College, University Park, PA

- Major GPA - 3.66 | Cumulative GPA - 3.61
- B.S. and M.S. in Computer Science, Junior Standing Aug 2016 – Present
- Dean's List - awarded to students with a 3.5 GPA or higher 1/1 Semesters
- Currently enrolled in Object-Oriented Programming (CMPSC 221) and Discrete Mathematics (CMPSC 360)

## TECHNICAL EXPERIENCE

### Personal Projects

- StackOverflow Search Library
  - Compiled a Java library using Apache Maven to automatically search StackOverflow and Google for exceptions thrown during runtime

### DATA Laboratory, Pennsylvania State University

Jan 2017 – Present

- Utilized JSoup and JDBC Java libraries to implement program to process Amazon review data
  - Performed calculations to weight individual reviews based on personal review history to provide more accurate customer feedback to manufacturers and retailers
- Employed Apache Lucene and Tika libraries to pre-process Tweets for sentiment analysis
  - Filtered tweets based on language and corrected spelling errors within Tweet body

### LionTech Rocket Labs, Pennsylvania State University

Sep 2016 – Present

- Developed an autonomous autogyro payload to be launched out of a rocket mid-flight
  - Consolidated, streamlined, tested, and debugged C++ code from a multi-person team to ensure compatibility between modules
  - Devised flight control algorithm to automatically direct autogyro towards preset destination
  - Applied Adafruit libraries to program Arduino and XBee modules to ensure communication
  - Designed and fabricated electronic circuitry to integrate sensors, Arduino microcontroller, and communication components

## WORK EXPERIENCE

### Customer Service Associate, Rental Department, Men's Wearhouse

May 2016 – Jul 2016

- Boosted net sales with a thorough knowledge of the clothing catalog to sell tuxedos and accessories

### Instructor, Mathnasium of Glen Mills

Jun 2014 – Jun 2016

- Fostered love for mathematics in students by explaining, refining, and solidifying core mathematical concepts from basic operations to calculus

## SKILLS

### Technical

- Coding experience: Java (1.5 years), Python (1 year), C++ (6 months), SQL (3 months)
- Multimedia: Adobe Premiere, Adobe After Effects, Adobe Photoshop, LaTeX
- Proficient with MS Office Suite including Excel macros, Visual Basic, and advanced functions

### Leadership

- Lion Tech Rocket Labs
  - Coordinated software development within a team of 3-4 people and enforced coding standards to improve code readability and utility
- Senior instructor at Mathnasium
  - Trained new instructors on proprietary teaching methodologies

## EXTRA CURRICULARS

- Olympic weightlifting Sep 2015 – Present
- Piano performance Jul 2002 – Present
- Lion Tech Rocket Labs, Pennsylvania State University Sep 2016 – Present
- ESports Club, Pennsylvania State University Sep 2016 – Present