

# BRIAN LUTZ

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## OBJECTIVE

To obtain a **full-time** software engineering position.

## EDUCATION

The Ohio State University, Columbus, OH

Major GPA (4.00 scale): **3.35**

Cumulative GPA (4.00) scale): **3.205**

B.S. Computer Science & Engineering, May 2018

## QUALIFICATIONS

- Programming Languages: **Java** (Intermediate), **Python** (Intermediate, threshold), **C++** (Beginner), **C** (Beginner)
- Full-Stack Web Development, Machine Learning, Web Scraping, Systems Programming, Reverse Engineering, SciKit Learn, NumPy, Regular Expressions (Python), JSON, Django Web Framework, JDBC, SQL, Javascript

## INTERNSHIP EXPERIENCE

**JP Morgan Chase & Co.**, New York, New York

Technology Analyst | June, 2017 – August 2017

- Managed contributions between 3 projects inside team of 10, averaging 5 commits a day
- Wrote 5 API endpoints, front-end UI, and back-end scripts to migrate data to-and-from testing environments
- Rewrote 350-line client, extending capabilities from GET to POST, PUT and PATCH, in 2-3 working days

**Lockheed Martin**, San Antonio, Texas

Developer | May, 2016 – August 2016

- Finished 30% of 6-person, 2-year project in 3 months
- Implemented java web app utilizing JDBC, Oracle 12c database using JDeveloper IDE
- Learned and applied Agile Development principles within a team environment

**Vertical-Knowledge**, Chagrin Falls, Ohio

Developer | May, 2012 – May, 2013

- Designed and implemented 25+ web spiders over the course of 6 months at age 17
- Wrote in Python, using regular expressions to scrape content
- Built full-stack website accepting user input with Django framework

## ENGINEERING PROJECTS

### Financial Insights

- Scraped data from SeekingAlpha.com, utilized YQL for further financial data
- Interfaced with AlchemyAPI for sentiment analysis & displayed results
- Used linear regression with sentiment as feature for predicting stock price
- Resulted in prediction model for stock price; presented to company for acquisition

### Scenic Routes

- Built using Xcode
- Interface with Google Maps Directions API & Streetview API
- Processes images for color content, uses information to assign most scenic route to destination

## LEADERSHIP ROLES

### Sponsorship Coordinator, OHI/O

- Successfully fundraised \$150,000 for 2 24-hour hackathons over 2 years
- Coordinated with 23 sponsors in 2016
- Worked with 6 fellow students to complete efforts
- Created opportunity for 850 students to participate in their first hackathon at Ohio State