

# Sumit Shyamsukha

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## EDUCATION

### UNIVERSITY OF PENNSYLVANIA

The Artificial Intelligence Dual Degree Program

BSE IN COMPUTER SCIENCE

BA IN COGNITIVE SCIENCE

Expected Dec. 2018 | Philadelphia, PA

### LA MARTINIÈRE FOR BOYS

Grad. May 2015 | Kolkata, India

GPA: 95.5 / 100

## LINKS

Github:// [sumitshyamsukha](#)

LinkedIn:// [sumitshyamsukha](#)

YouTube:// [Sumit Shyamsukha](#)

Quora:// [Sumit-Shyamsukha](#)

## COURSEWORK

### UNDERGRADUATE

Programming Languages and Techniques

Introduction to Cognitive Science

Linear Algebra and Differential Equations

Mathematical Foundations of Computer Science

Introduction to Formal Linguistics

### ONLINE

Algorithms

Machine Learning

Natural Language Processing

Statistics and Probability

Data Science

Automata

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java • Shell • JavaScript • Git

OCaml • Python •  $\text{\LaTeX}$

Familiar:

C/C++ • iOS • Android

CoffeeScript • SQLite • Ruby on Rails

## SOCIETIES

• The Dining Philosophers - Hacking and Learning Committee

• Philadelphia Classic (Programming Competition) Organizing Team

## EXPERIENCE

### PENNLABS | FULL STACK WEB DEVELOPER

Sep 2014 - Present | Philadelphia, PA

- Worked on PennCourseReview - a rating tool for instructors, classes, and departments.
- Implemented the redesign of the front-end interface using CoffeeScript and jQuery and used Django to work on the back-end API.
- All code was reviewed, perfected, and pushed to production.

## PROJECTS

### BOOKSY | A SOCIAL READING AND LEARNING APP

Jan 2014 - Present | Ithaca, NY

- Used ReactJS for the front-end UI and implemented the highlight feature to highlight and store persistent text.
- Used npm and bower for package management, and brunch to build it all up and provide a simple web server.

### CODEO | COMPILE AND RUN YOUR CODE ONLINE

June 2015

- Built a web app that lets you execute any Java/C/C++/Python code on any web-browser.
- Implemented the back-end using Flask, and the front-end using Bootstrap, JavaScript, jQuery and the ACE.js framework to add multiple themes to the code-editor.

### WEB SCRAPING TOOLS | GET ALL THE DATA!

Mar 2012 - May 2013 | Ithaca, NY

- Built a web scraper in Python that scraped ball-by-ball data for every cricke match ever played in the Indian Premier League and used a SQLite database to store the data.
- Used the same scraper to scrape CollegeConfidential admit threads to scrape quantitative factors of students who were admitted to colleges in a given year.
- Currently working on scraping news articles and applying Natural Language Processing and Sentiment Analysis algorithms to classify news articles as positive or negative in order to build an intelligent news reader.

## ACTIVITIES

### YOUTUBE COMPUTER SCIENCE TUTORIALS

2011 - Present

I began making Computer Science video tutorials for my peers when I was a freshman in high school. These tutorials now have over 115,000 views on YouTube, and my channel has nearly 1000 subscribers.

## AWARDS

2015	CollegeBoard	AP Scholar with Distinction
2014	5th, 10th, 10th	CodeChef Lunchtime - April, May, January
2014	3rd/30	JacoComputing - Regional Programming Contest
2013	Silver Standard	UWaterloo's Galois Mathematics Competition
2013	National	Comp. Soc. of India's National Programming Contest