

Sumit Shyamsukha

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EDUCATION

University of Pennsylvania

MS + BS in Computer Science

Aug 2015 - Dec 2018

Magna Cum Laude

Cumulative GPA: 3.76 / 4.00

Eta Kappa Nu - Engineering Honor Society

Dean's List 2015-2018

TEACHING EXPERIENCE

CIS 573: Grad. Software Engineering (**Head PM**)

CIS 350: Software Engineering (**PM**)

CIS 545: Big Data Analytics (**TA**)

NETS 212: Cloud Computing (**TA**)*2

CIS 121: Data Structures and Algorithms (**TA**)*2

CIS 110: Introduction to Computer Science (**TA**)

TA: Designed and graded homework and exams, held office hours, taught weekly recitation.

PM: Managed student project groups, outlined and assessed project requirements, features, and code.

YOUTUBE COMPUTER SCIENCE TUTORIALS

Made videos to teach introductory CS on YouTube while in high school. Channel has over **3200 subscribers** and nearly **350k views**.

SKILLS

Languages

Java, C, C++, JavaScript, Python, Hack/PHP
OCaml, Scala, Objective-C, R

Frameworks

Spark, Hadoop, tensorflow, sklearn, AWS
NodeJS, ReactJS, Django, MySQL, Postgres
Presto

SELECTED COURSEWORK

Theoretical Foundations of Machine Learning
Machine Learning
Artificial Intelligence
Randomized Algorithms
Distributed Web Systems
Operating Systems
Compilers

EXPERIENCE

Facebook (Software Engineer)

Feb 2019 - Present — **Boston, MA**

Data, backend, and applied machine learning work on the Location Platform team. Wrote **Python, Hack, and JavaScript**.

Facebook (Software Engineering Intern)

May 2018 - Aug 2018 — **New York, NY**

Worked on iOS GraphQL Mutations Infra. Wrote **C++, Objective-C, Java, JavaScript, and PHP**.

CIS 192 (Course Instructor)

Aug 2018 - Dec 2018 — **Philadelphia, PA**

Taught applied ML in Python. Managed 3 TAs, designed homework assignments, gave lectures to 24 students.

Wealthfront (Software Engineering Intern)

May 2017 - Aug 2017 — **Redwood City, CA**

Worked on substantially identical securities for ETF transitions. Reduced ETF expense ratio by **16bps**, resulting in annual savings of **\$784,000** for all clients. Wrote a data pipeline for aggregating external account link data. Used **Java, Scala, Ruby on Rails, and Spark**.

CesiumJS (Open Source Contributor)

Sep 2016 - Dec 2016 — **Philadelphia, PA**

Built a schematic 3D tile set validator using **Node, Express, and WebGL** for the 3D Tiles project used for streaming massive heterogeneous 3D geospatial datasets.

Veea (Software Engineering Intern)

May 2016 - Aug 2016 — **New York, NY**

Worked full-stack to build a search platform for places using **Java Play, Apache Kafka, and ElasticSearch**.

PennLabs (Software Engineer)

Sep 2015 - May 2016 — **Philadelphia, PA**

Worked on **PennCourseReview** - a rating tool for instructors, courses, and departments used by **over 10,000** Penn students. Wrote **CoffeeScript** and **Python**.