Sumit Shyamsukha

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Education

University of Pennsylvania
MS + BS in Computer Science
August 2015 - December 2018
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 545: Big Data Analytics **(TA)**
CIS 350: Software Engineering **(PM)**
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 **2900 subscribers** and over **300k views**.

Skills

Languages
Java, C, C++, JavaScript, Python, PHP
OCaml, Scala, Objective-C, R
Frameworks
Spark, Hadoop, tensorflow, sklearn, AWS
NodeJS, ReactJS, Django, Play, MySQL, Postgres

Selected Coursework

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

Experience

Facebook (Software Engineering Intern)
May 2018 - August 2018 — **New York, NY**
Worked on iOS GraphQL Mutations Infra. Wrote **C++, Objective-C, Java, JavaScript,** and **PHP.**

CIS 192 (Course Instructor)
August 2018 - December 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 - August 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)
September 2016 - December 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 - August 2016 — **New York, NY**
Worked full-stack to build a search platform for places using **Java Play, Apache Kafka,** and **ElasticSearch.**

PennLabs (Software Engineer)
September 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**.

Projects

PennBook | A scalable-Facebook clone
Awarded honorable mention (**2nd** out of **41** teams) sponsored by **Facebook.**