

# Hans Mok

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## Education

### Stevens Institute of Technology | Hoboken, NJ

Aug 2014 – Jan 2019

- BE in Software Engineering
- Presidential Scholarship

### Stuyvesant High School | New York

Aug 2010 – Jun 2014

## Work Experience

### American Express, New York, NY

Software Engineer:

Mar 2019-Present

- Worked with Java, React, Node, Python, Docker, MongoDB and CouchDB
- Build management and analysis software using React for managing many different models and their different version configurations
- Convert raw machine learning models into consumer ready states
- Lead migration of monolithic Java abstraction layer on dedicated infrastructure to a horizontally scalable Python microservice architecture on the cloud
- Lead pivot from monolithic model servicing architecture to Models as a Service architecture deployed on the cloud
- Participate in organizing technology related colleague events including tech talks and appreciation events

### Bureau of Information Technology DSNY, New York, NY

Intern:

June 2015-Dec 2015

- Assisted in email server migration
- Tested new configurations/updated software
- Assisted in moving and setting up new servers

## Technical Skills

### Software Languages

• Java, Golang, Python, Javascript/Typescript, SQL, N1QL

### Relevant Coursework

• Requirements Engineering, Software Cost Estimation, Software Testing, Modeling and Simulation, Introduction to Systems Engineering

## Projects

### Cryptsplit – *Submission to HackCooper 2016*

- Webapp implements a security program using AES-256 encryption
- Written in Python and C++

### SensorEd – *STEM Education for High Schoolers*

- Teach interested students about Python, sensors, and fundamental computer science concepts
- Web Interface to view realtime data
- Web UI written in React/Typescript, API as AWS Lambda written in Go, database as MariaDB