

# Aakash “Kash” Sudhakar

SOFTWARE EDUCATOR ♦ MACHINE LEARNING ENGINEER ♦ FULL-STACK DEVELOPER

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## TECHNICAL SKILLS

Languages	Python (2.7.x, 3.6.x), JavaScript, Golang
Front-End	HTML5 (Handlebars, Pug), CSS3 (Grid, Bootstrap)
Back-End	Node, Express, Flask, Django, Sequelize
Testing	Python (Pytest), JavaScript (Mocha, Chai)
Database/Cloud	MongoDB, AWS, Heroku, SQL
Data Analysis	Anaconda, Jupyter (Hub, Notebooks), Docker

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## EXPERIENCE

**Make School Product College** — Curriculum Engineer, 2018 – present

- ♦ PRODUCED in-depth reiteration of Data Science curriculum for incoming students (class size of 100+).
  - ♦ COLLABORATED with industry professionals and educators to tutorialize cutting-edge data science tools.
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## PROJECTS

**HELICAL** — Full-Stack Python Developer, 2019 – present

- ♦ ENHANCED advanced CS and amended supervised ML algorithms for genomic data processing applications.
- ♦ CONSTRUCTED Pythonic web app displaying efficient full-stack web conventions and responsive design.

**Recominder** — Machine Learning Engineer, 2018 – present

- ♦ SUPPORTED team of 4+ software engineers on agile implementation of biometric health recommendation app.
- ♦ ARCHITECTED machine learning pipeline for data scaling, modeling, and redistribution.

**Deep RL Game Library** — Deep Learning Engineer, 2018 – present

- ♦ ENGINEERED contemporary game simulator library with multiple playable sessions.
- ♦ IMPLEMENTED advanced deep learning models to responsively learn unsupervised game dynamics in real time.

**N-dulum** — Python Developer, 2017 – 2018

- ♦ CREATED scientific Python simulation tool to model Nth-order chaos pendulum system.
- ♦ OPTIMIZED object-oriented hierarchy and class structure for real-time data visualization.

**Nucleus: Elementary Chemistry** — Back-End Web Developer, 2017 – present

- ♦ DEVELOPED comprehensive e-learning instructional project to teach chemistry to primary school students.
  - ♦ PARTNERED with a team of full-stack web developers; personally implemented flexible database.
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## EDUCATION

Icahn School of Public Medicine at Mount Sinai	Systems Biology Certification, 2018 – present (online)
Make School	Applied Computer Science & Data Science, 2017 – present
Stanford University	Design Fellowship, 2016 – 2017
University of Pittsburgh	Bioengineering, 2014 – 2017 (transferred)

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## PASSIONS

Muay Thai Kickboxing  
Immersive Gaming  
Speechcraft