

# Samuel Michael

[Portfolio](#) [Github](#) [Linkedin](#)

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## SKILLS

React/Native, JavaScript, Ruby/Rails, Python/Django, SQL, Git, HTML5, CSS3, AWS, MongoDB, AR, AI

## PROJECTS

### highARglyphs

[Live Site](#) | [Github](#)

#### **Fullstack Web App built in Ruby on Rails, React/Redux, and AR**

- React Implements custom CRUD functionalities for variable create, update, deletion of cards
- Utilizes Speech recognition React component optimizing accessibility and UX/UI design
- Integrates AR.js JavaScript augmented reality library for user creation and study of 3D flashcards

### MonkeyKingGame

[Live Site](#) | [Github](#)

#### **Sidescroller game featuring the Monkey King flying thru cloud heaven**

- Animates sprite sheets in canvas, JavaScript, and HTML5
- Merges retro and cutting edge game design while maximizing gameplay and UX

### GoPy

[Github](#)

#### **Go game AI in raw Python**

- Cutting-edge machine learning in classing benchmark game of Go for business solutions
- Complex game logic, error-handling, and responsive AI flex high level language capabilities

## RELEVANT EXPERIENCE

### Software Engineer Instructor

#### **Coding Teacher**

2018-Present

- Marked increase in conversion of JumpStart program through rigorous and structured lessons
- Lectured on numerous core engineering concepts while adhering to App Academy core values
- Spearheaded a initiative to increase referral incentive for alumni and students

### NYC Teaching Fellows

#### **Classroom Teacher: English/Special Education**

2016-2017

- Ensure high-needs children received equitable education with broad array of pinpointed strategies
- Leadership and engagement of students of all ages with laser-focused lesson-plans
- Communicate with non-native English students in New York and abroad in Asia

### Data Entry

2015-2016

- Research and map meta-tag data for tv and film in Excel spreadsheets for clarity and accessibility
- Reach projected deadlines weekly and revise as necessary to optimize efficiency/productivity
- Communicate with an international team working remotely in an Agile development workflow

## EDUCATION

### App Academy (2018)

- Immersive software development course with focus on full stack web development
- Rigorous program that accepts < 3% of all applicants while rated #1 in the country

### NYC Teaching Fellows (2016)

- Graduate Education Program and Rigorous Pre-Service teacher training in high needs schools

### City College of New York, CUNY (2011) GPA: 4.0

- BA, English (*Summa Cum Laude*)

### Swedish Institute College of Health Sciences (2005)

- AS, Occupational Health Studies

## INTERESTS & LANGUAGES

- Machine Learning, Go, and Augmented Reality
- Charity work with HIV+ orphans in Cambodia
- Fluent in Spanish, Russian, and semi-fluent in Chinese: Mandarin & Cantonese

