

Elias F. Gabriel

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EXPERIENCE

Olin College of Engineering, Needham MA — *N.I.N.J.A (Need it Now Just Ask)*

August 2019 - PRESENT

Teaching assistant for Modeling and Simulation in the Physical World (MTH1111), where I provide individual support to help students understand covered material and apply it in projects using Python.

scenyc inc., Bronx NY — Software Contractor

June 2017 - PRESENT

Upgraded the entirety of sdbase's business management and information system (MAIS™) to a newer version of Ruby on Rails, as well as reconfigured and migrated the existing infrastructure from a dedicated environment to Amazon Web Services via Elastic Beanstalk, S3, EC2, and RDS.

The Glass Files, Bronx NY — Co-Founder, Software Engineer

June 2017 - PRESENT

Overhauled and reorganized development process for employees and student apprentices at The Glass Files, a private media management system for families to organize and share and connect their stories with History. Using Java, designed and created The Glass Files' mobile Android application. Using Ruby on Rails, developing core features like video sharing, and optimizing site speed and improving functionality.

Riverdale Country School, Bronx NY — *Technology and Media Consultant*

June 2017 - July 2018

Assisting the school's Communications and Media offices with video creation and editing projects using Adobe After Effects and Adobe Premiere. Worked as an instructor for the school's summer "Knowmad" classes teaching Python, game design in Unity, and the fundamentals of virtual reality.

EDUCATION AND TRAINING

Olin College of Engineering, Needham MA

Bachelor of Science in Engineering with Computing, Class of 2022
GPA: 4.0

Current Coursework: Principles of Engineering, Quantitative Engineering Analysis, Complexity Science, Introduction to Sustainability, Astronomy Statistics

Riverdale Country School, Bronx NY

HS Diploma, Class of 2017

SKILLS

Creative problem-solving,
collaborative leadership
and project management

Programming experience
in RUBY (ON RAILS),
PYTHON, JAVASCRIPT,
HTML, CSS, ARDUINO C,
NODEJS, JAVA, PHP,
UNITY & C#, *NIX

Conversational Spanish

Lifeguard - First Aid, CPR

Projects

Olin Aquatic Robotic Systems (OARS) - Lead Electrical Engineer:

Developing autonomous
aquatic research vessels
using satellite waypoint
navigation and integrated
software and sensor
systems.

Parceler: A configurable
and simple alternative to
Rails' Backpack-based
asset management
system, built on ParcelJS
to require almost no
out-of-the-box setup
(<https://git.io/JeE3c>).

2016 Agile Youth

Challenge First Place

Winner: With a team,
designed and created a
Google Chrome extension
called *Verify* that adapts
user feedback and uses
learning algorithms to
help readers identify fake
online news articles.