

Marc Marone

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EDUCATION

Georgia Tech | BS in Computer Science

Degree concentrations in *Theory* and *Artificial Intelligence*

Expected Dec 2018

GPA: 3.95 / 4.0

EXPERIENCE

Microsoft | Software Engineering Intern

May 2018 - August 2018

- Incoming Intern under AI and Research on Bing

Quantlab Financial | Software Engineering Intern

June 2017 - August 2017

- Built **anomaly detection** service for analyzing and reporting on **high frequency trading** data using Python
- Applied **signal processing** and **clustering** research methods to network and market data to detect regressions

Georgia Tech | Undergraduate Researcher

August 2016 - Present

- Researched document level Natural Language Processing (**NLP**) tasks under Dr. Jacob Eisenstein
- Developed deep neural models for tasks including **summarization** and **translation** using **PyTorch**

Artificial Intelligence | Teaching Assistant

January 2018 - Present

- Assist students in understanding AI concepts such as heuristic search, decision trees, and neural networks

Object Oriented Programming | Teaching Assistant

May 2016 - August 2017

- Planned and taught weekly recitation lectures about **Java** to **50+** students

PROJECTS

StyleGT | Photobooth

- Designed a photobooth using **neural style transfer** as part of the organizing team for **HackGT**
- Built using PyTorch, Twilio, and Google Cloud for use by highschool students at our Catalyst event

Airbnb vs. Hotels | Data Analytics Project

- Built a visualization comparing Airbnb listings to hotels in New York for CX 4242: Data and Visual Analytics
- Developed a **directed sentiment analysis** pipeline to assess housing quality from 750,000 reviews
- Worked with team members to design a **d3.js** based interface showing price variation and analysis results

PaiZZA | Winner HackDuke 2016

- Created an intelligent **search engine** for Piazza, a course forum platform used at 1,500 universities
- Built a service to retrieve similar forum questions using **information retrieval** and topic modeling techniques

INVOLVEMENT AND AWARDS

President's Undergraduate Research Award | Research Grant

- Salary award to fund work on neural models for simultaneous summarization and language modeling

Outstanding Sophomore | Departmental Honor

- Awarded by the department to a single student for excellence in academics and extracurriculars

GT Agency | ML Club (Internal Operations Officer)

- Present weekly talks and tutorials on new research in deep learning to club members

SELECTED COURSES

Machine Learning • Natural Language Processing • Graduate Advanced Computer Vision

Linguistics • Robotics & Perception • Data & Visual Analytics • Advanced Algorithms (Optimization)