TIM SWYZEN

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EDUCATION

Rutgers University　　　　　　　　　　　　　　　　　　　　　　　　New Brunswick, NJ
BS Computer Science/Minor in Mathematics & Philosophy *GPA: 3.43*　　　Sep 2018 - May 2020

RESEARCH

Fake News Detection　　　　　　　　　　　　　　　　　　　　　　　Prof. Vivek Singh
Created UI to expedite labeling; trained a classifier to detect fake news based on language; tested bias of left-favored and right-favored articles

Unbiased Facial Recognition　　　　　　　　　　　　　　　　　　　Prof. Vivek Singh
Used a Torch program on Amarel, a Rutgers supercomputer, to work on reducing gender/racial bias from facial recognition algorithms

PROJECTS

Garry's Mod Scripts *Lua, Garry's Mod API*　　　　　https://gmodstore.com/teams/590/addons
Created and sold a number of video game scripts such as a court system, a simple business simulator, and a turn-based strategy game, generating over $3,500 in revenue with over 600 sales.

discordTCG *Python, discord.py*
A fully featured trading card game that works through Discord, including game mechanics, API, deckbuilding, trading, packs, etc.

EvoSim *JavaScript, HTML/CSS*　　　　　　　　　　　http://timswyzen.github.io/EvoSim
A web-based simulator for natural selection and evolution. Accounts for three-dimensional genetic traits, trait favorability, overpopulation, mutations, birth-death ratios, and genetic passing.

TwitNN *Python, TensorFlow, TweePy*
Used an RNN module to make a machine learning script that learns a Twitter user's writing style and outputs its own generated text based off of it.

Smash Tag Generator *Django, Python, Heroku, TensorFlow*　　　https://smashtags.herokuapp.com
A simple web app to display gamertags generated by a neural network trained off of entrants at various national Smash Bros tournaments.

Loop Packaging Algorithm *Python*
An algorithm that utilizes multithreading to generate all possible combinations of package volumes and shapes that would fit in a specific size tote, created for a startup.

WORK EXPERIENCE

Rutgers School of Communication & Information　　　　　　　　　　New Brunswick, NJ
IT Helpdesk　　　　　　　　　　　　　　　　　　　　　　　　　　　Jan 2019 - Present

- Resolved many technology issues from Rutgers staff, such as account management, computer maintenance, and AWS issues
- Scripted repetitive IT tasks for myself and coworkers
- Exhaustively tested new features and taught usage of technologies such as FTP

Computer Clinic, LLC　　　　　　　　　　　　　　　　　　　　　　Pittstown, NJ
Owner/Technician　　　　　　　　　　　　　　　　　　　　　　　　Apr 2016 - Sep 2018

- Built a local business from scratch, starting ad campaigns and servicing dozens of repeat clients in the area
- Created a company website containing business information, rates, appointment forms, etc. with some SEO optimization

OTHER SKILLS

Coding Languages/Skills:　　Java, Lua, Python, C, Git, JavaScript, Haskell, Scheme, Linux, SQL
Spoken Languages:　　　　　English, Flemish, Dutch, German