

Justin T. Krumlauf

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Objective: 2020 Summer or 2020 Fall Coop

EDUCATION

THE UNIVERSITY OF CONNECTICUT

THIRD YEAR

COMPUTER SCIENCE MAJOR

ROCHESTER INSTITUTE OF TECHNOLOGY

2017-2019

SOFTWARE ENGINEERING MAJOR

HACKATHONS

HACKDARTMOUTH V

Lil Lexie - The Alexa Rap Battle Engine

Winner - Best Use of Smart Speaker Kit

🔗: github.com/jtkrumlauf/lil_lexie

➔: devpost.com/software/lil_lexie

BRICKHACK V

Hapi - Twitter Sentiment Analyzer

🔗: github.com/jtkrumlauf/Hapi

➔: devpost.com/software/hapi-klxupm

LINKS

🔗: [jtkrumlauf](https://jtkrumlauf.github.io)

in: jtkrumlauf

➔: jtkrumlauf.github.io/justinkrumlauf.me

DevPost: devpost.com/jtkrumlauf

SKILLS

PROFICIENT

Python | Java | HTML | CSS |

JavaScript | PyCharm | Eclipse |

Atom | Linux | MacOS | Windows |

Vi | Vim | Git

EXPERIENCED

React | AngularJS | jQuery

| Bootstrap | Flask | Keras |

TensorFlow | C | Numpy | GCP |

AWS Lambda | NLTK

PROJECTS

LIL' LEXIE - ALEXA RAP BATTLE ENGINE | Co-CREATOR

Apr. 2019 – Apr. 2019 | Hanover, NH

- Best Use of Smart Speaker Kit at HackDartmouth V
- AWS, Python3, Flask, NGROK, HTML, CSS
- Uses n-gram part of speech tagger and context free grammars to generate rhymes given user rap

🔗: github.com/jtkrumlauf/lil_lexie

DevPost: devpost.com/software/lil_lexie

HAPI - TWITTER SENTIMENT ANALYZER | Co-CREATOR

Feb. 2019 – Mar. 2019 | Rochester, NY

- Google AppEngine, Flask, Google Cloud Platform Natural Language API, Tweepy API, HTML, CSS
- Determine average sentiment and other statistics of given users or hashtags

🔗: github.com/jtkrumlauf/Hapi

➔: hapi-0.appspot.com

DOG BREED CLASSIFICATION USING A CONVOLUTIONAL NEURAL NETWORK | PROJECT CREATOR

Feb. 2019 - Feb. 2019 | Rochester, NY

- Python, Keras, TensorFlow, ResNet-50
- Convolutional neural network able to classify dog breeds given a photo

➔: kaggle.com/jtkrumlauf/dog-breed-deep-cnn

JBOT - REAL-TIME STRATEGY BOT | PROJECT CREATOR

Nov. 2018 - Dec. 2018 | Rochester, NY

- Python, DeepMind Starcraft API
- Uses a decision tree to make decisions about current game state

🔗: github.com/jtkrumlauf/jBot

EXPERIENCE

THE GREENWICH COUNTRY DAY SCHOOL | TEACHING ASSISTANT

Nov. 2017 - Present | Greenwich, CT

- Provided supplementary assistance to students in the Makerspace Lab (Raspberry Pi's, Arduino, 3D Modeling, Computer Aided Design, Websites, etc.)
- Teaching introductory computer science classes in Python and various related libraries (PyAutoGui and Turtle).

THE GREENWICH COUNTRY DAY SCHOOL | TECH. INTERN

Mar. 2016 – May 2016 | Greenwich, CT

- Repaired computers, Smartboards, and maintained the server room.
- Performed regular maintenance on 3D printers and their respective software

CLUBS AND AFFILIATIONS

2018 Treasurer The RIT Artificial Intelligence Club

2017 Member The Society of Software Engineers

2019 Member University of Connecticut Computer Science Club