

Arun Kirubarajan

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EDUCATION

University of Pennsylvania (2017 - 2021)

- Artificial Intelligence Dual Degree Program - Computer Science & Cognitive Science, **3.7 GPA**
- Pursuing Minor in Statistics at the Wharton School of Business

WORK EXPERIENCE

Machine Learning Research Assistant @ University of Pennsylvania (Current)

- Built application for AI researchers to upload/compare neural network chatbots with Docker and perform standardized human evaluation (Mechanical Turk) with SQL database
- Wrote automatic evaluation scripts in Python using Word2Vec for embedding comparison
- Deployed application across GPU-enabled AWS computation cluster (authoring EMNLP paper)

Software Engineering @ [Penn Labs](#) (Current)

- Developed university-wide PennSDK for retrieving data on courses, facilities, etc. in Python (Redis)
- Deployed Express application w/ token authentication and MongoDB database for public data API
- Developed features in React/Express and shipped new online service for 10,000 students at launch

Software Engineering @ [TrackGen](#) (June 2017 to August 2017)

- Developed cloud microservice for autonomous driving data fusion SaaS (Python and MongoDB)
- Re-designed and deployed high-performance computation system to reduce AWS bills by over 200% using Docker and EC2 Dynamic Scaling

Co-Founder @ [elore.io](#) (July 2016 to December 2016)

- Founded technical recruitment startup at MIT incubator (awarded Most Progressive Company)
- Designed and deployed machine learning (NLP) prototype model using NLTK to match candidates with companies with relevant experience and filter spam and malicious users from system
- Scaled to 5 employees, 30, and 120 users

PROGRAMMING PROJECTS

[crypt](#): Secure Password Manager using Disposable Emails (PennApps XV Best Security Award)

[programjs](#): Open Source Node Package for Common Algorithms and Data Structures

[vecrommend](#): Deep Learning (NLP) Recommendation System for Penn Tech Review (2,000+ users)

[Blog](#): Articles on CS Topics (e.g. machine learning, software engineering) with 1,000+ views

SKILLS

TensorFlow, Numpy, Keras, AWS, React, ES6, Express, MongoDB, Django, Flask