

Kevin Martin Jose

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Github Profile: <https://github.com/lonesword>

Programming Languages: Python, Javascript, C

EDUCATION

Degree	Institution	CGPA	Graduation year
Master of Science	Saarland University, Germany	1.8 (1.0 is excellent, 4.0 is pass)	2021
Bachelor of Technology	College of Engineering, Trivandrum, India	8.3/10	2015

RELEVANT COURSEWORK

Neural Information Retrieval, High-Level Computer Vision, Image Processing and Computer Vision, Artificial Intelligence

EXPERIENCE

AUGUST 2019 – PRESENT

Research Assistant, Max-Planck Institute for Informatics, saarbrücken, Germany

- Improved the research team's ability to test, compare, and debug various deep-learning information retrieval models by building a demo search engine
- Tools: Python, Pytorch, Django, HTML, CSS

SEPTEMBER 2017 – JANUARY 2019

Software Engineer 1, Squadrun Inc, New Delhi, India

- Increased the mean precision of users by designing and implementing a training progression system
- Reduced the time taken by the operations team to create a workflow for a new client from 4 hours to 30 minutes by rewriting the workflow creation framework
- Tools: Python, Django, PostgreSQL, Celery + RabbitMQ, Redis

JULY 2015 – AUGUST 2017

Engineer, Commvault Systems, Hyderabad, India

- Wrote a rule parser, router, and basic scheduler to intelligently distribute tasks within a distributed analytics platform
- Improved the visibility of archived data by writing UI components for an analytics dashboard and integrating it with an Apache SOLR backend
- Tools: Java, Javascript, JQuery, Apache SOLR, Apache ActiveMQ, HTML, CSS

MAY 2014 –SEPTEMBER 2014

Participant, Google Summer of Code 2014 with Swathanthra Malayalam Computing

- Improved the language transliterator's learning rate by 63% by adapting porter-stemmer algorithm for Malayalam language and learning the base word after stemming
- Tools: C, Sqlite3

PROJECTS

Experiments on the Lottery Ticket Hypothesis

- Research project for the course High-Level computer vision. Explores methods to attain lottery tickets (ICLR 2019) faster by using fewer data points to prune, and attempts to discover winning tickets for ShuffleNet.
- Tools: Python, Pytorch. [Link](#) to the repository.

Openmosaic

- A framework to make p5.js sketches span across multiple browser clients
- Tools: Javascript, Nodejs, p5.js. [Link](#) to the repository

EXTRACURRICULARS/ADDITIONAL INFORMATION

- Recipient of **IEEE Richard E Merwin Scholarship** 2014, awarded in recognition of excellence in academics and leadership roles held at the local IEEE Computer Society student chapter
 - Held office as **chairman**, IEEE Computer Society Student Branch, 2014-15
 - Volunteer member, Commvault Systems emergency response team, 2016-17
 - Maintains a semi-technical blog at <https://kevinmartinjose.com>
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