Heman Gandhi

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EDUCATION

Rutgers
Honors College, SAS
BS Comp Sci and Math
🎓 May 2019
Cum. GPA: 3.88

SKILLS

Programming
Languages:
C++, C#, Python, Java, SQL, C, Rust, JS
Tools & Libraries:
Tensorflow, Flume, Git, Linux, AWS, jQuery, Flask

Languages
Native fluency:
English
Intermediate:
Japanese, Spanish

PROJECTS

Aud.io ⌂
Keyboard Keyboard ⌂
GiFS Against Humanity ⌂
DIMACS REU 🌐
USACS Tech Chair 🌐

EXPERIENCE

Google Inc.   Jun 2019 -
Shopping Attributes Annotation Quality   Pittsburgh, PA
Maintained and upgraded the product classifier and attribute extractor, providing newer and more reliable product annotations for downstream usage in search and ads retrieval and ranking. Improved a tensorflow CNN and other tools by analysing data through map reduce and SQL.

Software Engineer III   Oct 2021 -
- Designed and began a migration of the tensorflow CNN classifier training data to use a newer input data type.
- Found headroom in structured data sources available to the attribute extractor and designed and implemented the conversion from the sources to a standard format.

Software Engineer II   Jun 2019 - Oct 2021
- Unblocked an org-wide migration by enabling the classifier to classify a new data type with the same classification quality.
- Redesigned our curation changelog to enable an internal tooling migration. Learned gRPC for this implementation.
- Reduced the noise in launch metrics by implementing an online experiment framework.
- Expedited classifier experimentation by integrating Vizier into our model training pipeline and found a better learning rate.
- Implemented a changelog to get curation metrics on our attributes data model. Learned spanner to accurately represent the data model.

HackNY - Skillshare Inc.   May 2017 - Aug 2017
Engineering Intern   New York, NY
Executed various tasks to maintain and refactor the large Yii (PHP) code-base and MYSQL database.

Optum Inc.   Jun 2016 – Aug 2016
Talent Development Program Intern   Basking Ridge, NJ
Used C# to parse COBOL code to extract variable meta-data. Analyzed 120K+ files within 2 hours.

Mphasis Inc.   Jun 2015 – Aug 2015
Software Engineer Intern   New York, NY
Helped design and implement a multi-screen interactive application with using the WAMP protocol and a jQuery frontend. ⌂Available on GitHub

COMMUNITY CONTRIBUTIONS

Google K12 PIT   Nov 2019 -
Helping organize school visits at the Google Pittsburgh office to expose students to careers in technology.

HackRU R&D   Jan 2017 - May 2019
Helped project manage and architect the creation of tools to improve the hacker experience at HackRU. Learned AWS technologies to deploy scalable solutions cheaply. ⌂Available on GitHub