Karthik Suresh

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EDUCATION:

Rensselaer Polytechnic Institute - Troy, NY **Expected graduation: Jan 2020**
Major: Bachelor of Science, Computer Science **GPA: 3.85**

SKILLS:

Proficient: C++, Python, Java **Familiar**: Javascript, R, SAS, Matlab, SQL, HTML & CSS, OpenCV
Skills: Git, Hadoop, Docker, Android Dev, Linux, XCode, Autodesk, Solidworks, GDB/LLDB

INTERNSHIPS:

Coursera **Software Engineering Intern** **Sept 2018-Dec 2018**
- Working with the Growth team to increase number of users, activity, and revenue across all channels. Using Scala and Python on the backend to write A/B tests and develop an API for promotions.

Contrary Capital **Venture Partner** **March 2018-Present**
- Contrary is a decentralized university-focused venture capital fund with investors at 48 universities and is backed by founders of Tesla and Twitch — 80% of L.P.'s have started $1Bn+ companies
- Evaluated and helped invest seed money ($50k-$350k) in the best student-run companies in Upstate NY

Bank of America **Machine Learning Intern** **June 2018-Aug 2018**
- Implemented Machine Learning and NLP tools to the AI chatbot, Erica, to improve the conversational flow.
- Used Markov chains for error-handling cases and improved accuracy of the bot from 88.5% to 89.2%.

KloudData Inc. **Software Engineering Intern** **May 2017-August 2017**
- Helped build a user-friendly healthcare suite by using Hadoop and UI/UX and Cloud technologies.
- Researched Big Data/Cloud based implementations and used R to improve the IntelliKx analytics system.

BioMedtrics Inc. **Software Engineering Intern** **May 2016-August 2016**
- Worked on a Diabetes Monitoring Device that helps diabetic patients manage their diabetic needs.
- Programmed an android application in Java and helped code the company website (~100 visitors every day).

Stanford School of Medicine **BioE Intern** **June 2015-August 2015**
- Participated in an 8-week internship at a highly selective summer research program (SIMR), where I engineered a piezoelectric insole to help osteoarthritis patients deal with exercise and pain levels.
- Presented to Professors and Industry specialists, and submitted research to Siemens Science Fair.

PROJECTS

Major League Baseball Player Valuations - (Open Source) **July 2017-Present**
- Python - Created project that analyzes the undervalued and overvalued MLB players by using modern metrics to determine values of players compared to their yearly salary.

Google CloudPrint - (Open Source) **June 2017-Dec 2017**
- Python - Fixed bugs in the Google CloudPrint test suites and implemented additional certification testing tools.
- Notable Addition - Created a way for cloud-server authentication tokens to be refreshed by detecting when the tokens were expired instead of failing the test suites.

General Language Syntax Project - (Open Source) **June 2017-Sept 2017**
- JS + multiple languages - Helped create a unified syntax that compiles into a number of OOP-languages.
- Added list and string functionalities that compile into Python, C#, and JS to perform like an OOP language.

CLUBS & ACTIVITIES

RPI Computer Securities Club **2016-Present**
- Member of club which gives students a background in securities, usually on topics such as Web Hacking, Cryptography, Packet Sniffing, etc.

President RPI Water Polo Club **2016-Present**
- Organize water polo tournaments against local NY club teams from Cornell, West Point, Columbia, etc.