

Karthik Suresh

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EDUCATION:

Rensselaer Polytechnic Institute - Troy, NY

Expected graduation: May 2019 (Junior)

Major: Bachelor of Science, Computer Science

GPA: 3.85

SKILLS:

Proficient: C++, Python, Java, **Familiar:** Javascript, R, SAS, Matlab, SQL, HTML & CSS

Skills: Git, Hadoop, Docker, Android Dev, Linux, XCode, Autodesk, Solidworks, GDB/LLDB

INTERNSHIPS:

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
- ❖ Evaluate and invest seed money (\$50k-\$350k) in the best student-run companies in Upstate NY

KloudData Inc., Fremont, CA 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 KloudKare IntelliKx analytics application system.

BioMedtrics Inc., Pleasanton, CA 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 Institute of Medicine Research, Palo Alto, CA 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.
- ❖ Wrote a research paper and presented to Professors and Industry specialists and submitted research to Siemens Science Fair which is in the process of getting published.

RESEARCH & OPEN SOURCE PROJECTS

Center for Automation Technology & Systems Research at RPI

August 2017-Present

- ❖ Working with Dr. Steve Rock to implement a robotic arm that will power hydrogen fuel cell lines to vehicles.
- ❖ Programming primarily with Matlab and using computer vision software to identify rapidly moving objects.

Google CloudPrint - (Open Source)

June 2017-Present

- ❖ Python - Fixed bugs in the 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.

Major League Baseball Player Valuations - (Open Source)

July 2017-Present

- ❖ C++ - Created project that analyzes the undervalued and overvalued MLB players by using modern metrics to determine values of players compared to their yearly salary.

General Language Syntax Project - (Open Source)

June 2017-September 2017

- ❖ JS + multiple languages - Created a unified syntax that compiles into a number of OOP-languages.
- ❖ Notable Addition - Added list and string functionalities that compile into Python, C#, Java, Ruby, Typescript, and JS that allow GLS to perform like an OOP language.

CLUBS & ACTIVITIES

RPI Computer Securities Club

2016-Present

- ❖ Member of the RPI Securities club which aims to give students a background in securities, usually on topics such as Web Hacking, Cryptography, Packet Sniffing, etc.

President RPI Water Polo Club

2016-Present

- ❖ Schedule and organize water polo tournaments where we play local New York club water polo teams from Cornell, West Point, Columbia, Syracuse, etc.