Rakesh **Chatrath**

Data Scientist · Web Developer · Designer

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 rchatrath7
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Skills

Software Java, Python, R, Javascript, Dimensional Modelling, Spark, Hadoop, Google Cloud Platform

Education

Aug 2018 - May 2020	**University of Illinois at Urbana-Champaign**
	BS in Statistics and Computer Science · Champaign, IL
Aug 2016 - Apr 2018	**University of Pittsburgh**
	BS in Applied Math and Bioinformatics · Pittsburgh, PA
Aug 2013 - Jun 2016	**Illinois Mathematics and Science Academy**
	Selected, Degree Received · Aurora, IL

Experience

Jun 2018 - Aug 2018 | **Shopify**

Data Engineering Intern · Ottawa, ON

- Worked on dimensional modelling tool for fast ETL execution in Google Cloud Platform
- Created tooling to retain old data builds when emulating an ETL job
- Developed pipeline for benchmarking dimensional modeling API on incremental datastores

Apr 2018 - Jun 2018 | **Wyre Inc.**

Freelance Software Developer · Remote

- Developed arbitrage algorithm using Bellman-Ford shortest path algorithm to turn an average of 10% profit when exchanging 5 types of cryptocurrencies across over 15 countries
- Created tooling to asynchrously ingest new overt-the-counter cryptocurrencie trades and create a new trade to turn a profit by a deterministic margin

Oct 2017 - Present | **Root Health**

Lead Frontend Engineer · Pittsburgh, PA

- Root is building a personal, AI health assistant
- Iterated three versions of user interface for 5 views from mockup designs to on device testing
- Developed interface mockups and design specifications using Adobe Illustrator

May 2017 - Present | **DesignHub**

Officer & Curriculum Developer · Pittsburgh, PA

- Developed curriculum for 1hr long computer science workshops for ~30 students

Selected Projects

Darity
- Darity is a social platform that allows users to raise money for charity by daring their friends

Aloe
- Aloe rounds purchases to the dollar to use for donating to a charity of the users choice

Brush Brush Revolution
- Web application that provide analytics on tooth brushing habits using computer vision

Honors & Awards

2018	**First Place**, Hack Dartmouth 2018	Hanover, NH
2018	**Best Financial Tech Hack**, Tartan Hacks 2018	Pittsburgh, PA
2016	**First Place & Most Technical**, ArchHacks 2016	Saint Louis, MO