

Eric Ghildyal

215-292-8682 - ericghildyal@gmail.com - www.ergh.co - github.com/ericghildyal

Education:

University of Pittsburgh

Graduation Date April 2019

Bachelor of Science in Computer Science
Certificate in Digital Media

Relevant Coursework

Cryptography and Network Security, Intro to Human Computer Interaction, Algorithm Implementation, Data Structures, Blockchain Technology and Cryptocurrency, Intro to Systems Software

Experience:

Root Health

(Aug 2017 - Sept 2018)

CTO - Lead a team of 3 developers (ML, Front-end, Back-end) to develop an application and API to make the generic person healthier. Company did not work out as we could not find a revenue stream and there was too much competition in the space.

(*React Native - Redux - Python/Flask - Microservices*)

UPMC Enterprises

(Summer 2017 & 2018)

Software Engineering Summer Associate - In 2017: worked on extracting and de-identifying sensitive patient documents in accordance with HIPAA guidelines for a new project. In 2018: worked alongside the UPMC RX EXPRESS team improving medication delivery and adherence via chatbot. (rx.upmc.com)

(2017: *Ruby - Python - Node.js - Java*) (2018: *React - Node.js - CI/CD - Docker/Kubernetes*)

Padblock - (Funding awarded by Univ. of New South Wales)

(Aug 2017 - Aug 2018)

Project Leader - Researched and built a proof-of-concept tool to use Blockchain technology in the creation of an immutable ledger for the Australian government's supply chain needs. (*Java - Go - Elasticsearch - JS*)

Faceplate - (at Univ. of New South Wales, Australia)

(Summer 2017)

Junior Visiting Research Fellow - Aided team in converting a highly manual workflow into a robust web application. Used Machine Learning concepts and tools to recommend actions and provide an adaptive interface. (*Elasticsearch - JS - C# - ML*)

Awards & Certificates:

Dean's List - Dietrich School of Arts and Sciences

(Spring 2018)

Emerging Leaders Program

(Spring 2016)

Activities:

Pitt Computer Science Club

(2015 - Present)

Tartan Hacks (Hackathon)

(2018)

- Created *Aloe*, a platform that encourages users to be fiscally responsible while rounding up their purchases and donating that money to charity at the end of each month

- **Winner:** BNY Mellon Prize: *Best Fintech Hack*

Talks:

- "Bitcoin n'at" about Bitcoin, Blockchain, Alt-Coins, and Mining

- At Pitt Computer Science Club (*Spring 2018*) and Design Hub (*Fall 2018*)

- "Infrastructure Befitting Healthcare" about architecting systems for rigid compliance

- At ACM Pittsburgh Meetup (*Fall 2018*)

Skills:

Expert: JS/Node.js, Python, React/React Native, Redux, Java, Git, Linux, Flask

Intermediate: RabbitMQ, Elasticsearch, PostgreSQL, Django, Blockchain, Hardware

Interested in: Hadoop/Big Data, Entrepreneurship, System Architecture