

# AHRENN SIVANANTHAN

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## EXPERIENCE

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### Product Management Intern

May – Sep 2018

Cloudflare, San Francisco, CA

- Accomplished delivery of a SQL proxy with cached query results benchmarked at 2.4X performance gains
- Conducted product research of VPN alternatives, to provide enterprise customers parity at 10% of current cost
- Modernized the integration process with Microsoft Azure & cloud providers, projected to grow sales ~15%
- Led multiple engineering teams as a PM, providing metrics for product phases, tracking KPIs, & setting goals
- Delivered a GUI alternative to writing edge code for support engineers, pegged to reduce response times 30%

### Product Engineering Intern

Jan - Apr 2018

Athos, San Francisco, CA

- Managed the design, development & shipping of numerous business-level necessities from product directors
- Integrated Mode into the product management ecosystem for 100% visibility into production user metrics
- Provided contractual benchmarks for sales by utilizing Graylog for analysis (~1.6 MM logs every hour)
- Devised a toolbox of Bash, Python, & AWK scripts for 5X faster & more accurate analysis of EMG signals

### Software Engineering Intern

May - Sep 2017

Optimizely, San Francisco, CA

- Restructured core data storage, reducing AWS costs to achieve a priority KPI of \$100,000 saved yearly
- Reconstructed data ingestion flow, improving latency & throughput of events by 10X & 20% respectively
- Performed an architectural redesign, enabling auto scaling of EC2 instances during peak traffic hours
- Utilized Docker to publish a decentralized data flow, bringing coverage to 98% for end-to-end testing

### Software Engineering Intern

Sep - Dec 2016

WayUp, New York, NY

- Led platform design through many iterations, incorporating customer feedback to drive user growth ~30%
- Performed collaborative filtering, gathering user insights to lift relevant suggestions in excess of 40%
- Developed a profile following feature scalable to over 10 MM users with Neo4j & Python REST bindings
- Established an SMS & Web Push Notification protocol, delivering content to ~100,000 users hourly

### Software Developer Intern

Jan - Apr 2016

TVO, Toronto, ON

- Implemented AxureShare & Target Process for tracking 1000's of user stories amongst various teams
- Exemplified the value of mobile optimization through A/B tests on key metrics, growing click-through ~400%
- Improved Agile practices by introducing scrum management to a cross-functional engineering group

## PROJECTS

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### Mappable

See More: <https://bit.ly/1MJvqRv>

- Designed, planned & developed a sign language to a multilingual voice output application with Leap Motion
- Generated a 3-D model of the user's hand in real-time, enhancing detection of with multiple neural nets

### Prefect

See More: <https://bit.ly/2f3oeb5>

- Innovated, designed & prototyped a web-based learning platform to service those desiring basic skills
- Fundamentally assisting recent parolees with the rehabilitation process & adjusting to normal life

## SKILLS

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**Management:** Adobe CC, AxureShare, Confluence, Figma, Jira, Mode, Optimizely

**Languages:** Java, Python, C, C++, AWK, Bash, SQL, HTML, CSS, JavaScript

**Technologies:** Django, MySQL, MongoDB, Neo4j, PostgreSQL, Node, React, Guice

**Other:** Flume, HBase, Kafka, AWS (EC2/S3/SNS/SQS), RabbitMQ, Docker

## EDUCATION

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### Computer Engineering, Honours Bachelor of Applied Science (BASc)

Sep 2015 – Sep 2020

University of Waterloo, Waterloo, ON

(Expected)

- Minor in Management Sciences
- President's Academic Scholarship