

# Sean (Sudarshan) Bangalore

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## Work Experience

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### Amazon

Software Development Engineer  
SDE in the Alexa Skills Team

### Vancouver, Canada

May 2020 – Sep 2020

### Bank of Canada (Central Bank)

Quantitative Financial Markets Research

### Ottawa, Canada

Jan 2019 – Jan 2020

- Valued, programmed strategy to identify trades saving \$300M/yr, presented to 50+
- Represented department (9 chosen out of 147) at AI innovation sessions in Montreal, Google Brain, Nvidia, and ReCon (Computer Vision with David Lowe) sessions
- Implement ML and stable marriage algorithm for matching securities lending and repos

### Amazon Web Services

Sales Analytics

### Toronto, Canada

Jun 2018 – Sep 2018

- Developed random forest in Python, SciKit with 98% accuracy to rank 17,000+ leads
- Identified \$100,000 in yearly savings through flagging model (time series regressions)
- Removed 20,000 repeated sales opportunities for Greenfield using Fuzzy lookup

### Finance and Technology Firm

Cofounder

### Toronto, Canada

Jun 2015 – Sep 2015

- Started and generated \$50,000 in profit and hired 3 consultants in 2nd, 3rd year advising fast growing mid-size companies and large NGOs such as Habitat for Humanity
- Co-founded a SAAS firm by expanding software consulting contract with client in Miami, partnered with midsize elevator outfitting firm for IoT expansion to \$12K ARR

## Education

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### University of Texas at Austin

Master of Science in Computer Science (GPA: 3.7/4.0)  
Algebra, Algorithms, Architecture, Deep Learning

### Austin, Texas

Jan 2020 – Dec 2020  
GRE: 337/340

### University of Toronto

Double major in Finance and Economics (GPA: 3.6/4.0)  
Algorithms, Data Structures, Combinatorics, Abstract Math

### Toronto, Canada

Sep 2014 – Dec 2018  
Highest Honors (top 15%)

## Skills and Interests

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**Technical:** C, Python, Java, Javascript, Machine, Deep, Reinforcement Learning, Systems

**Securities:** Pricing, Strategy, Statistical Analysis, Fixed income, Lending; CFA III Candidate

**Languages:** English, French

**Interests:** Avid weightlifter (~1300 lbs); recreational pilot through Air Cadets (\$50k scholarship)