



# KARAN NARULA

## Courses and Scholarships

- Induction, Probability, Statistics, P/NP-completion
- Data Structures and Parallelism
- Programming Languages - Racket, Haskell, Prolog, and Ruby
- Hardware/Software Interface - memory allocation, x86-64 assembly, caches, and virtual memory
- Probabilistic Machine Learning

Leaders Save Lives (2017) and Balanced Man (2017) scholarships.

## WORK EXPERIENCE

**Stripe** - Summer 2019

*Software Engineering Intern*

Backend infrastructure on the Alternate Payment Methods team, dealing with digital payment sources such as mobile wallets (Alipay, WeChat Pay, etc.) Streamlined systems to cut refund latency and wrote tools for easier transaction reconciliation. Worked primarily in Ruby, utilizing **Sorbet** and **Pry**.

**Sensoria Fitness** - Summer 2016

*Software Development Intern*

Server-side data manipulation in SQL and Python. Windows app development in C# to test wearable hardware marketed to runners. Contributor at Microsoft partnered hackathon (golf related) and on Renault data visualization (racing related).

**PRO Sports Club** - 2017 - 2019

*Swim Instructor and Concierge*

Lifeguard, CPR, and First Aid certified through the American Red Cross. Teaching children, ages 2 to 13, the four legal strokes of competitive swimming. Manage client requests and aided lesson scheduling for the club.

## Projects

**Code Carbon** - Group

*Built with C# and Unity*

Educational video game designed to teach children about global warming and benefits of renewable energy. Won first place at Alaska Airlines Imagine Tomorrow 2016 (Biofuels Behavioral category).

**PoliTrack** - Individual

*Built with Java and Android Studio*

Android app constructing a profile view for current Congressional members, voting histories, and committee involvement. Pulled information from ProPublica REST API.

## CONTACT

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## EDUCATION

**University of Washington**

Computer Science

2017 - 2020

3.70 GPA, Dean's List

## SKILLS

**Programming Languages**

Java - Ruby - C# (**OOP**)

Python - Haskell - SQL - Racket (**misc.**)

**Public Speaking and Management**

Managed a team of 12 students to organize annual TEDx conferences for 300-500 attendees through the TED nonprofit. Raised over \$6,000 annually in sponsorship, managed finances, and spoke at promotional events.