

# Veer Gadodia

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## Education

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**Massachusetts Institute of Technology** | *B.S. in Computer Science* | GPA: 4.8/5.0 **Sep 2021 – May 2025**

- Courses: Math for CS (6.042), Fundamentals of Programming (6.009), Introduction to Algorithms (6.006), Interconnected Embedded Systems (6.08), Introduction to Deep Learning (6.S191), Physics I II (8.01, 8.02)

**Harvard Extension School** | *Enrolled while in high school* **Sep 2019 – Aug 2020**

- Courses: E-21A Multivariable Calculus, E-21B Linear Algebra, CSCI E-80 Introduction to AI

## Experience

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**Salesforce Inc.** **May 2022 – Present**

*Software Engineer Intern* *San Francisco, CA*

- Creating automated Q4 production testing functionality in Scala using Gatling + TeamCity for Marketing Cloud tools.
- Collecting metrics and monitoring SQLite database creation times for performance and scalability.
- Creating mock data generation functionality for scale testing on dev, QA, and production environments.

**Uptycs Inc.** **Jun 2021 – Aug 2021**

*Software Engineer Intern* *Waltham, MA*

- Created features for increased client usability on Uptycs' security analytics platform using React.js.
- Solved and tested bugs related to event rule filtering, audit group selection, cloning and saving of kube policy profiles.

**Next Medical Inc.** **Oct 2020 – Aug 2021**

*Founding Engineer at VC-Backed startup* *Long Beach, NY*

- Developed tech platform for at-home healthcare and telehealth using React.js, Next.js, React Native, Python, and AWS.
- Created custom doctor-facing EMR system, nurse mobile app for data collection, real-time visit scheduling algorithm.
- Raised seed funding round; 4000+ appointments conducted on this platform.

**Harvard University** | *Research Intern* **Apr 2020 – Dec 2020**

*I. O<sub>3</sub> and BrO remote sensing during 2020 Arctic Ozone Hole; Mentors: Dr. G. Abad, Dr. K. Chance* *Cambridge, MA*

- Co-authored abstract comparing coincident measurements of O<sub>3</sub> and BrO from OMPS; presented at AGU Fall 2020.
- Collaborated with Dr. Abad to develop and implement Popy algorithm for creating level 3 product data.
- Created georeferenced plots of trace gases for scientific analysis; collated image outputs from algorithm into **movie**.

*II. Data visualization of global hurricane wind speeds from 1980 - 2020; Mentors: Dr. E. Tziperman* *Cambridge, MA*

- Developed models to identify relationships between hurricane wind speed over time from HURSAT satellite data.
- Created plots visualizing global hurricane wind speed; determined trends in hurricane intensity for future predictions.

## Projects

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**Workpoint** | *React.js, Forge – Atlassian* **Aug 2021**

- Developed Jira app for workload management that allows teams to better manage issues and gauge overall performance through an intuitive drag-and-drop graphical interface and automatic task-distribution algorithm.
- Won 4th place (\$7500 prize) at Atlassian's Codegeist 2021 hackathon.

**Tango** | *Python, React.js, FastAPI, OpenCV, Mediapipe, FFmpeg, Ngrok, Chakra UI* **Sep 2021**

- Developed camera vision-powered dance coach that gives feedback on your routines; won 2 sponsor prizes at HackMIT.

**DepthSense** | *React Native, Tensorflow.js, Spotify API, Slack API* **Oct 2020 - Mar 2021**

- Developed mobile app to control phone functions using hand gestures while driving; won 2nd place at 3 hackathons.
- Invited to present project at the 5th TensorFlow.js Community "Show & Tell"

**ImmuniPass** | *Python, Flask, React.js, React Native, OpenCV, Keras, AWS Lambda, Auth0, MongoDB* **Aug 2020**

- Created a digital immunization verification system to increase safety in public areas; won grand prize Auth0 hackathon.

## Technical Skills

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**Languages:** Python, JavaScript, C, HTML/CSS

**Frameworks:** React.js, Node.js, Flask, React Native, MongoDB, SQL, TensorFlow, Scikit-learn

**Developer Tools:** Git, AWS, Google Cloud Platform, Firebase

## Publications

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### Harvard University Center for Astrophysics

Apr 2020 – Dec 2020

*Co-Author*

*Mentors: Dr. Gonzalo Abad, Dr. Kelly Chance*

- V. Gadodia. **Ozone and Bromine Oxide Observations from the Ozone Mapping and Profiler Suite during the 2020 Arctic Ozone Hole.** In Proceedings of the 2020 Fall American Geophysical Union Conference on Earth and Space Science (AGU 2020): Bright Students Training as Research Scientist Poster Session, AGU:Bright STaRS'20.

## Awards

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### Hackathons

Sep 2018 - Present

- **1st Place:** Auth0 Hackathon, ShellHacks, Garuda Hacks, TeenHacksHTX, PlatHacks, COVID-19 Hack Challenge
- **2nd Place:** Global Developer Challenge, Microsoft Hack for Africa, Tiger Hacks, Synt Hacks, MD Hacks, Hack Kosice, MakeSPP, Neural Hacks, Def Hacks
- **3rd Place:** RamHacks, SET Hacks, NewtonHACKS
- **Track/Sponsor Winners:** HackMIT, PennApps, AWS Hackathon for Good, World Hackathon Day, UB Hacking, Sigma Hacks, IvyHacks, Geom Hacks, NHacks, MHacks, MLH Data Day Grind

### Competition

Sep 2017 - May 2019

- Harvard Science Olympiad Invitational team, 1st place (2018), 3rd place (2019)
- Massachusetts Science Olympiad team, 2nd place (2018, 2019)
- Harvard-MIT Mathematics Tournament placed 9th overall team (2017)
- 2nd place Envirothon State Competition (2019)

### Other

Sep 2019 - Dec 2020

- Harvard University Book Award presented to one top-performing student in entire class of 2021 of 550 students
- AP Scholar with Distinction (2020)
- National Merit Scholarship Commended Student (2020)
- Silver Medal National Spanish Exam (2019, 2020)