

Sharang S Phadke

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EDUCATION

The Cooper Union for the Advancement of Science and Art, New York, NY **2010 - 2014**

Bachelor of Engineering, Electrical Engineering

- Cumulative GPA: **3.65** (Magna Cum Laude)
- 4-year full tuition scholarship
- IBM Thomas Watson Scholar

EXPERIENCE

Neurotrack Technologies, Palo Alto, CA **2014 - present**

Software Engineer

- Developed core backend features using REST APIs and asynchronous task management (RMQ/Celery)
- Identified product insights from various datasets using Pandas, NumPY, scipy, scikit-learn, etc.
- Designed and built a data analysis framework to generate detailed statistical reports for clients
- Designed Monte Carlo simulations to characterize diagnostic statistics around the Neurotrack product
- Lead product development (daily scrum and weekly planning meetings) during a transition period

ZocDoc Inc, New York, NY **Summer 2013**

Software and Marketing Intern

- Developed a C# decision engine to identify web crawlers and malicious robots
- Analyzed search logs to profile user behavior and browsing patterns (C# and SQL)
- Identified actionable product insights from search logs, leading to a redesign of the search page

FxAlliance LLC, New York, NY **Summer 2012**

Technical Intern

- Developed a C++ tool to analyze FIX format network traffic
- Developed a web dashboard to monitor network statistics for services provided to each client

LEADERSHIP

Create@Cooper | <http://createatcooper.org> **2012 - 2014**

Co-Founder of entrepreneurship and hacking community

HackCooper | <http://hackcooper.org> **2012 - 2014**

Co-Founder and lead organizer of first annual student hackathon at Cooper Union

Engineering Student Council **2010 - 2014**

Elected Administrative Chair: responsible for setting annual policy goals, communicating with faculty, administrators, and alumni, and running weekly meetings

Cooper Union Cross Country Team **2010 - 2014**

Team Captain, 2011 All-Conference Team

Boy Scouts of America **2000 - 2010**

Eagle Scout, Troop 168, Plainsboro, NJ

PROJECTS

Boxoffice: Implemented machine learning algorithms in python to predict audience ratings of movies

MicroMouse: Designed an autonomous maze-solving robot to compete in the IEEE Micromouse Competition

RoboRoach: Developed a neural stimulus system to control cockroach movement

TECHNOLOGIES

Languages & Frameworks: Python (Django, NumPy, Pandas), C, C++, SQL, C#, Javascript, Matlab

Environments: UNIX, Windows, AWS