

# Sid Nair

sidnair09@gmail.com · New York, NY · 805-368-0550

## EXPERIENCE

---

### **Foursquare, Senior Software Engineer**

**June 2012-Present**

- Currently one of three core developers working on the website
- Expert on the web: help set company-wide goals and projects, make key architectural decisions, and provide guidance to other engineers
- One of the most prolific contributors to the codebase, having worked extensively on all levels of the stack, from backend servers to the Android app
- Initiate and lead major projects, such as redesigns of Foursquare's most heavily trafficked app screens and web pages, a web SEO audit, and performance improvements
- Work closely with other teams to champion product changes outside my domain
- Establish and evangelize organization-wide engineering best practices
- Designed and helped develop the API endpoints for the app home, search, and autocomplete screens, building team consensus and ensuring flexibility, performance, and clear documentation
- Worked on the UI design and Android implementation of the home and search screens, coordinating the efforts of other client engineers, designers, and product managers

### **Columbia University Systems Lab, Researcher**

**Jan 2012-March 2013**

- Worked on a kernel-level implementation of a novel mechanism called mutable replay, which enables reproducing non-deterministic bugs with retroactive debugging
- Co-authored paper that introduces the concept and properties of mutable replay, presents our implementation, and demonstrates its practicality in over a dozen scenarios involving widely used applications

### **Codecademy, Contractor**

**Aug 2011-Jan 2012**

- Second developer at a startup that teaches people to code (codecademy.com)
- Ahead of launch, helped design the UI, architect the backend, and write the lessons
- Post-launch, addressed scaling issues and established code quality guidelines

### **Google, Software Engineering Intern**

**June 2011-Aug 2011**

- Worked on Google+ launch, polishing the signup flow and first run experience
- Fixed launch-blocking internationalization and cross-browser issues
- Identified and added missing logging to diagnose causes of dropoff and attrition

### **Application Development Initiative (ADI), Executive Board Member**

**Sept 2010-May 2012**

- Helped start ADI (adicu.com), now the preeminent student tech club at Columbia
- Led a team that built and maintained tools for students, such as a course schedule builder
- Organized events including software development workshops, hackathons, and job fairs

## EDUCATION

---

### **Columbia College, Columbia University**

**May 2012**

- Bachelor of Arts, Computer Science, *summa cum laude*
- Computer Science Department Award winner, Phi Beta Kappa, Dean's List all semesters
- GPA: 4.00/4.00

## PUBLICATIONS

---

“Transparent mutable replay for multicore debugging and patch validation,” Nicolas Viennot, Siddharth Nair, Jason Nieh. ASPLOS, 2013.

## SKILLS AND HOBBIES

---

- Strongest languages: JavaScript, Scala, Java, Ruby, HTML, CSS
- Strongest tools: Vim, Git, UNIX
- Hobbies: playing and watching soccer, fostering rescue cats