Chirag Bharadwaj

309 Eddy Street, Apt. 1D — Ithaca, NY 14850 | 6 Labrador Drive — Kendall Park, NJ 08824

☎ +1 (848) 228 0869 • ✉ cb625@cornell.edu • 🖥 chiragbharadwaj.com • ⓖ chiragbharadwaj • 🔗 chiragbharadwaj

Education

Cornell University, College of Engineering   **Ithaca, NY**
B.Sc. in Computer Science, Minor in Computer Engineering, GPA: 3.563/4.00   *August 2014 – May 2017 (expected)*
Concentration: Databases and Computer Systems, Programming Languages
Activities

- Association of Computer Science Undergraduates (member)
- Institute of Electrical and Electronics Engineers (member)
- Cornell Piano Society (piano teacher)
- NY State Science Olympiad (events coordinator)
- Engineering Peer Advisor for first-years (advisor/mentor)
- Splash! at Cornell (lecturer)

Relevant Coursework

- Differential Equations
- Linear Algebra
- Modern Physics
- Quantum Mechanics
- Electrical Circuits
- Digital Logic Design
- Computer Systems
- Embedded Systems
- Operating Systems
- Honors Data Structures
- Discrete Structures
- Theory of Computing
- Algorithm Analysis
- Functional Programming
- Compilers* (project-based)
- Programming Languages*

*indicates a graduate-level course

South Brunswick High School   **Princeton, NJ**
Diploma with Honors, GPA: 4.49/4.00 (unweighted 3.94/4.00)   *September 2010 – June 2014*

- SAT one-time: **2330** (730 V, 800 M, 800 W, 12 E)
- SAT superscore: **2360** (760 V, 800 M, 800 W, 12 E)

Experience

Goldman Sachs   **Jersey City, NJ**
Summer Analyst, Technology Infrastructure   *June 2016 – present*

- Incoming summer analyst doing back-end work for cloud services within the bank

Bank of Tokyo-Mitsubishi   **New York, NY**
Technology Operations Intern, IT Development   *June 2015 – August 2015*

- Used Salesforce.com technology to integrate systems and provide customer relationship-management (CRM) software in the cloud
- Participated in SIT/UAT workflow to help integrate cloud services, met with developers on a weekly basis
- Developed demo script and sandbox environment for Salesforce product demos to potential vendors (e.g. lawyers) in global market
- Co-led group of five other interns to create technical wireframe and document requirements for ASP.NET non-production release form

Department of Computer Science at Cornell University   **Ithaca, NY**
Undergraduate Teaching Assistant   *January 2015 – present*

- Part-time TA for CS 2800: Discrete Structures in Spring 2015, part-time TA for CS 3410: Computer Systems since Fall 2015
- Work 20 hours per week minimum, fulfill responsibilities including holding weekly office hours, leading a lab section, participating in grading sessions, proctoring/grading exams, and helping in student discussion boards on Piazza (online forum)

Relevant Skills

Programming Languages: Java, OCaml, C, C++, Python, MIPS32, ARMv7, Verilog, bash
Libraries and Frameworks: lex, yacc, ncurses, JavaFX
Web Development: HTML5, CSS3, vanillaJS, Bootstrap for JS, jQuery
Software and Tools: LaTeX2ε, git, vim, valgrind, gdb, Microsoft Office, Sublime Text, Eclipse
Languages Spoken: English (native), Kannada (bilingual), Spanish (professional fluency), Japanese (elementary ability)

Awards and Achivements

- Best final project for CS 3110
- Dean's List: Fall 2015, Spring 2015, Fall 2014
- Highest overall grade in MATH 2930
- Top 3% of graduating high school class
- Outstanding chemist (top 2/750)
- National Merit Finalist 2013, National AP Scholar 2012

Personal Interests

- Programming language development
- Compiler-writing and toolkit development
- Computer systems and chip-level micro-optimization
- Physical chemistry and the quantum interface
- Teaching others and self-learning
- Playing the piano and composing classical-style music

Projects

- Working on building a compiler for χ, a self-created high-level programming language with modules and type-inference