Arjun A. Biddanda

102 Weill Hall, 237 Tower Rd. Ithaca, NY 14853
(616)-212-7121 • aab227@cornell.edu • arjunbiddanda.github.io

Education

Cornell University Ithaca, NY • Bachelors of Science in Computer Science, 2015 • GPA: 3.48

Computer Science
Functional Programming • Introduction to Algorithms • Probabilistic Models*
Structure of Information Networks* • Analysis of Clinical Data*

Genomics and Genetics
Population Genetics • Quantitative Genetics

Mathematics and Statistics
Statistics • Linear Algebra

* *Course taken at graduate level*

Research Experience

Cornell University (Keinan Lab) (Ithaca, NY)
Undergraduate Researcher

Working as an undergraduate researcher in Alon Keinan's lab in the department of Biological Statistics and Computational Biology at Cornell University. Current work in the lab is to elucidate the sex-biased admixture present within the Bene Israel population of India, and to place them within the Jewish Diaspora. Other work within the lab focuses on accounting for the X Chromosome within Genome-Wide Association Studies.

Publications

- Yedael Waldman, Arjun Biddanda, and Alon Keinan. *Reconstructing the Genetic History of the Bene Israel in India* (In preparation)

Honors and Awards

- United States Tennis Association Service Scholarship
- Cornell University College of Engineering Deans List (2013 - present)

Teaching Experience

Cornell University (Spring 2012 - Present)
CS 3110 Teaching Assistant

Teaching assistant for a course on functional programming and data structures. Responsibilities include creating problem sets as well as exams for the course and teaching two recitations per week.

Industry Experience

Guidewire Software (Summer 2013)
Software Engineering Intern

Worked on developing tools to manage client databases for insurance software company.

Cornell University (Space Systems Design Studio) (Spring 2012 - Fall 2013)
Software Developer

Developed communication software for an amateur satellite using Java. Improved the communication software to be more reliable and to save power by better anticipating the path of the satellite in orbit.

Skills

- Programming Languages: Python, R, Java, OCaml, C++
- Software Tools : Git, Subversion, Bash