

Anissa Dallmann

ad792@cornell.edu | +1 617 - 412 - 9628 | linkedin.com/in/anissa-dallmann

Education

Cornell University, College of Engineering

B.S. Computer Science | Minor in Biometry & Statistics

GPA: 4.00 (UW) | 4.19/4.30 (W)

Relevant Coursework

CS:	Intro to Computing with Python, Object-Oriented Programming, Discrete Structures, Functional Programming & Data Structures, Computational Genetics & Genomics, Intro to Analysis of Algorithms
Math:	Calculus for Engineers, Multivariable Calculus, Linear Algebra, Engineering Probability and Statistics
Chemistry:	Engineering General Chemistry, General Chemistry II, Intro to Experimental Organic Chemistry, Organic Chemistry I, Organic Chemistry II
Biology:	Cell & Developmental Biology, Comparative Anatomy & Physiology, Intro to Research in Biology, Independent Research in Biology, Biomedical Data Mining & Modeling

Experience

Teaching Assistant, Cornell College of Engineering

Physics II: Electromagnetism (PHYS 2213)

01/2020 —

- Directing weekly 2-hour lab of 30 students on designing, conducting & refining their own experiments

Data Structures and Functional Programming (CS 3110)

08/2020 —

- Creating customized lessons & worksheets for weekly 75-min class of 12 students; although optional, attendance rate is 92%; holding 2 office hours and 3 coding consulting hours per week & grading assignments with detailed feedback

German Resident Language Fellow, Cornell Language House

08/2019 —

- Organizing weekly 1-hour long meals, weekly conversation hours and German cultural events for 12 residents.

Independent Researcher, Koren Lab (*Department of Molecular Biology and Genetics at Cornell*)

01/2019 —

- Independent research project on chromatin structure impact on evolution of primate DNA replication timing
- Constructing pipelines for analysis of DNA replication timing & ChIP-Seq, ATAC-Seq, & Hi-C data with Matlab & LiftOver

Patient Experience Intern, Changi General Hospital (*Singapore*)

06/2019 — 07/2019

- Introduced patients to new hospital tech (e.g. automated check-in kiosks, robot-led physical therapy sessions)
- Gathered & analyzed data on patient reception of new tech; synthesized findings in 15-page report & delivered presentation to Patient Experience Transformation Department detailing findings & recommendations for future tech implementations
- Provided clerical assistance to doctors in General Surgery, Endocrinology, Urology, Internal Medicine & Geriatrics departments

Data Science Intern, Senscio Systems

06/2017 — 09/2017, 06/2018 — 08/2018

- Led data management for clinical trial of AI platform to monitor homebound patients with advanced chronic disease remotely
- Gathered and categorized over 20 years of electronic medical records on 200+ patients
- Created Python scripts to analyze data from medical records, intake forms, and patient interaction with the platform to gather insight into patient experience, usage trends and best patient recruitment approaches
- Conducted an independent research project published in Population Health Management & distinguished by AHA

Publications

Dallmann AC, Wilks A, Mattke S. Impact of Event Severity on Hospital Rankings Based on Heart Failure Readmission Rates. *Popul Health Manag.* 2019 Jun;22(3):243-247

Mattke S, Hanson M, **Dallmann AC**, Bentele M. Health Economic Evaluation of an Ultrathin, Bioresorbable-Polymer Sirolimus-Eluting Coronary Stent Compared to a Thin, Durable-Polymer Everolimus-Eluting Stent. *Cardiovasc Revasc Med.* 2019 Sep;20(9):752-757.

Awards

Hunter R. Rawlings III Cornell Presidential Research Scholar

05/2018 —

- Given to Cornell's top 200 students across entire university
- Awarded \$8,000 to design and carry out individualized research in collaboration with top Cornell faculty.

Joan and Irwin Jacobs Scholar

05/2018 —

- Cornell College of Engineering's most prestigious award given to a select group of incoming freshmen

Awarded "Best of QCOR Oral Abstracts: Health Policy, Cost and Value" by American Heart Association (AHA) Scientific Sessions

02/2017

- Abstract on findings from internship selected for oral presentation (~5% acceptance rate) & distinguished by AHA

Technical Skills

Programming

• Python, C, Java, R, Matlab
• OCaml, Go, Elm, Racket
• HMTL, CSS, Javascript

Libraries

• Pandas
• Numpy
• Biopython

Tools

• LaTeX
• Excel

Languages

• German (bilingual)
• French (fluent)

Other Activities

• Cornell Taekwondo Team (2nd degree black belt)
• Patisserie Chef
• Hosting weekly coding lessons for girls in Ithaca community