

Anna Capria

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SUMMARY

- M.S. student with 2+ years' experience in genomic data analysis, specifically NGS and variant analysis.
- Passionate about rare diseases, ethical decision-making in genetics, and advocacy.
- Detail-oriented. Ambitious. Kind.

EXPERIENCE

Boston Children's Hospital

Bioinformatics Intern

Boston, MA

06/2022-present

- Assisted in the maintenance of and analysis of large genomic data including 4000 patients; analysis included SV and CNVs.
- Capstone: Analyzed & optimized phenotype usage in rare disease cohorts with neo4j graph database, R, and python.

BioCentury

Data Analysis Intern

Redwood City, CA

02/2022-present

- Maintained and updated business intelligence database by analyzing clinical trial status through relevant biotechnology press releases, regulatory documents, and pharmaceutical company websites.

Uppsala University, SensUs Team

Project Manager

Uppsala, Sweden

10/2019-06/2020

- Led a team of 14 students to create a biosensor for the international SensUs competition. Participating in skills including biology, business, and team management. Led weekly meetings, organized communication streams among team members, maintained email communication with partners and maintained team deadlines using various software.

EDUCATION

Keck Graduate Institute, GPA: 3.9/4.0

Master of Science, Human Genetics and Genomic Data Analytics

Claremont, CA

08/2021-present

- Active member of clubs including Students for Rare-NORD, President of Data Science Club, and Genetics Cabinet Member
- Professional Development Chair for Student Gov: coordinated and executed development opportunities for student success

Uppsala University

Medical Research Program, no degree

Uppsala, Sweden

08/2019-06/2020

- Independent research project comparing gram-negative bacteria found on vegetables. Utilized various genetic methodologies.
- Oversaw competition team as a student project manager for international SensUs Competition.

Rochester Institute of Technology, GPA: 3.7/4.0

Bachelor of Science, Biomedical Research

Rochester, NY

08/2016-05/2019

- Encouraged peer success through guided lessons as a Genetics Learning Assistant and Lab TA.
- Actively involved on campus through clubs and leadership opportunities. Assisted students in transitioning to college.

SELECTED PUBLICATIONS

OB Morenikeji, BN. Thomas, AL. Capria, *et al.*, 2020 CD209 and Not CD28 or STAT6 Polymorphism Mediates Clinical Malaria and Parasitemia among Children from Nigeria. Microorganisms

BN. Thomas, BN Seamans, AL. Capria, *et al.*, 2019 Genetic diversity of CD14, CD28, CTLA-4 and ICOS gene promoter polymorphism in African and American sickle cell disease. Human Immunology

SKILLS	
Genomic Analysis	Clinvar, OMIM, dbSNP, gnomAD, UCSC Genome Browser, NGS data manipulation, variant annotation and curation pipelines, Emedgene, Sequence Miner, ACMG guidelines, Annovar
Computational Biology	Python, R, neo4j , cypher, Galaxy, gor, ggplot, Pandas, Bash, Unix, SPSS, Bioconductor, Latex, Github
Molecular Biology	RT-qPCR, RNA isolation, DNA isolation, PCR, MALDItoF, Library Prep, PCR-RFLP
Professional Skills	Community Engagement, Community Development, Team Leadership, Personal Development, Identifying New Opportunities, Networking, Leadership, Public Speaking, Scientific Writing, Business Analytics, Market Research, Pharmaceutical Research, Data Entry, Customer Service, Training
COURSE WORK	
Keck Graduate Institute	Human Molecular Genetics, Medical Genetics, Genomics with Lab, Clinical Cancer Genomics, Functional Genomics, Intro to Biosciences Industries, Programming for Biosciences, Genomic Knowledge Translation, Data Visualization, FDA Intro, Clinical Statistics, Clinical Trial Design, Life Science Industry Ethics
Uppsala University	Comparative Genomics, Tumor Biology, Bioinformatics, Biomedical Research, Cell Communication, Ethics
RIT	Medical Genetics, Human Genetics, Case-Based GC, Human Immunology, Parasitology, Biochemistry