Brendan Panici

Self-guided Undergraduate Researcher with positive work ethic and detailed knowledge of RNA-seq, blood disorders, and genetics. Exemplary academic record with well-developed organizational and time management skills. Trained in lab techniques, R, and python.

Work History

2018-11 - Current

Undergraduate Researcher - Dry Lab

Cenik Lab

- Lead processing and analysis for RNA-seq data to investigate a rare disease, Diamond-Blackfan Anemia.
- Discovered differential expressed genes in carriers of Diamond-Blackfan Anemia that might explain associated phenotype.
- Developed programming skills in R and Linux. As well as software documentation and management skills, including Git.
- Participated in regular meetings to discuss aspects of research and experiments.
- Presentation and data visualization.

2017-01 - 2017-12

Undergraduate Researcher

Freshman Research Initiative - "Bugs In Bugs"

- Field experience in identification and handling of bees.
- Developed molecular techniques such as pipetting, dilutions, microbe handling under sterile conditions, media prep, and PCR.
- Discovered preliminary evidence of a pathogen, Crithidia, in solitary bees.
- Developed top-level skills in collaboration, interpersonal communication and writing as result of hands-on work and training.

Education

2016-08 - 2020-05

Bachelor of Science: Biology - Genetics And Genomics

University of Texas At Austin - Austin, TX

- Received Kemp-Forman Memorial Unrestricted Endowed Presidential Scholarship
- Certificate in computer programming
- Coursework in organic chemistry (1-2) , immunology, immunology laboratory, molecular genetics and medicine, tumor biology, genetics laboratory, and bioinformatics.
- 3.87 GPA

Personal Info

Address
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E-mail
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Skills

R, Python, Linux programming

●●●●● Excellent

Data processing, analysis, and visualization

●●●●○ Very Good

PCR and Electrophoresis (including SDS-PAGE)

●●●●○ Very Good

Microbe handling (sterile conditions)

●●●○○ Good

Species handing (Drosophila and Hymenoptera)

●●●●○ Very Good

Microscopy

●●●○○ Good