

Varvara Koraki Folli

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Profile

I am an ambitious and responsible postgraduate student in Molecular Medicine willing to acquire and further develop computational skills. I am looking for opportunities to gain experience within the bioinformatics and genomics sector. I possess organising and analytical skills and a personality with great discipline in achieving goals.

Education

University of Essex

2019-present

MSD Molecular medicine

Research project: Nucleosome repositioning in Glioblastoma Multiforme (GBM) – Analysis of chromatin positioning in GBM in several patients using Next Generation sequencing techniques in order to study differences in nucleosome positioning in cancer. Average nucleosome occupancy profile analysis, enrichment analysis as well as DNA nucleotide pattern analysis were performed for different genomic regions and the results were analysed and discussed.

University of Essex

2016-2019

BSc Biological Sciences (Honours First Class)

Relevant modules include: Molecular Cell Biology, Cell Biology, Computational R analysis, Genome Bioinformatics, Genome Genetics.

Final year project: Nucleosome positioning and TF binding in Glioblastoma Multiforme.

Greek High School Apolyterion

2013-2016

Relevant modules include: Biology (19,5/20), Maths and Statistics (19/20), Physics (18,1/20), Computer Sciences (19,6/20).

Lab Skills

- Clear use of laboratory notebooks eg. Labarchives.
- Excellent use of computational scripting languages: Rstudio, Linux command line, Next Generation Sequencing data.
- Knowledge of multiple programmes regarding Bioinformatics eg. WinSCP, Clustal X, MEGA7.
- Excellent performance of basic Molecular laboratory assays eg. ELISA, protein immunoprecipitation.
- Experience in quick and effective data collection and analysis.

Transferable Skills

Teamwork and communication

- Communication is important while working in an office. A huge part of my role was answering calls and emails and arranging meetings, talking with the costumers and taking part in presentations that my manager organized. When working in a pressured environment, teamwork is hard to maintain. For me, it always was a key component for a friendly workspace and thus why I always assured I was a team player.

Time management

- On my programming module during my second year I was voted to be the leader of my team for our large project. I had to work and help all team members and make sure everything was running smoothly. I was also responsible to put all the code together and add all the parts needed. We submitted the assignment with time to spare and got compliments about our organisation.

Problem solving

- As a supervisor, I had to deal with costumer complains and was awarded by my manager for the excellent customer feedback.

Languages

- Greek (native); English (fluent; IELTS score 7)

Experience

Bio-IT Intern – Teif Lab at the University of Essex

June 2019- September 2019

- Data analysis using Next Generation Sequencing techniques.
- Currently taking part in research related to my postgraduate study.

Supervisor – Kings Arms

2017-August 2019

- Excellent interpersonal and customer service skills.
- Organised workflow and led employees using teamwork.
- Acquired responsibilities, such as cash management.
- Convinced upper management improve recycling measures on site.

Course Representative – Biological Sciences Department

2018-present

- I took up the role of Course Representative for the Biological Sciences department. I acted as a connection between the students and the university and dealt with multiple issues pointed by students.

Interests and achievements

Fundraising: I have participated in many fundraising events organised by the university and several sports teams. Moreover, I have helped to organise many events while participating in societies and teams.

Sport: I have been a part of the Kickboxing, Rounders and Korfbal team while continuing my studies. Throughout my school years I was a part of the town's volleyball team for 7 years and I have participated in many competitions.

References

Available on request.