Valentin Tran Nhu - Gomey

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EDUCATION

2020 – present	**EPISEN**	Créteil, France

Candidate for MSc. in Biomedical Engineering, July 2023
Relevant coursework: Cell Biology, Biochemistry, Physiology, Molecular Biology, Data Processing, Biostatistics, Genomics, Image processing

2018 – 2020	**UNIVERSITY PARIS EST CRÉTEIL**	Créteil, France

Undergraduate Degree in EEIC (Electrical Engineering and Industrial Computing)
Relevant coursework: Renewable Energy, Embedded Electronics, Automation, Programming

2018	**BACCALAURÉAT, SCIENTIFIC SECTION, OBTAINED WITH HONORS**	Noisiel, France

René Cassin High School

SCHOOL PROJECTS

Feb 22
(present)

EXPERIMENTATION AND PRESERVATION OF A BLOB LINE
Blob project in partnership with the CNRS
- Created experiences to study the behavior of the blob and its ability to adapt in dangerous situations

Feb 22
(2 weeks)

IDENTIFICATION OF THE KEY FACTORS OF DIABETES AMONG THE PIMA TRIBE
Bio Statistics, Rmarkdown and R (team of 2)
- The Pima tribe is a Native American tribe and is known for having the world record rate of diabetes
- Analyzed different variables such as their ages, the number of births or the plasma glucose concentration
- Found correlations between theses variables using the PCA methods
- Wrote a statistic report using Rmarkdown

May 21
(4 weeks)

VISUALIZATION OF THE INTERACTION NETWORK BETWEEN THE PROTEIN PRODUCED BY THE IREB2 GENE
Bio Informatics
- Performed research in the NCBI database to find information on the gene using the Blast method
- Found the interactions between proteins using Uniprot and BioGRID
- Produced a representation of the interactions using Cytoscape

Mar 21
(1 week)

TRANSFECTION OF HAMSTER CELLS WITH A DNA CONTAINING B-GALACTOSIDASE
Cellular Culture
- Developed culture of Chinese hamster cells
- Confirmed the presence and the good number of cells using phase contrast microscopes and a counting chamber

WORK EXPERIENCE

May 20
(2 Months)

HENRI MONDOR HOSPITAL
Development of a mobile application designed to help people suffering from facial paresis recover
- Designed and implemented a login system
- Created a video display to demonstrate exercise videos with explications
- Displayed a representation of their achievements through a facial detector

LANGUAGE & COMPUTER SKILLS

- **French** (native), **English** (TOEIC 830/990)
- **Microsoft Office:** Excel, PowerPoint
- **Programming languages**: Python, Java, C, R, and eager to learn more!
- **Other tools:** SolidWorks, CSS, Jupyter Notebook, VBA, LabView, HTML, Premier Pro

ACTIVITIES & INTERESTS

- **Volleyball** (six years of practice); **Ukulele** (two years); **Piano** (three months)