

# Yash Thacker

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## EDUCATION

### **ILLINOIS WESLEYAN UNIVERSITY**, Bloomington, Illinois

Bachelor's in Biology & Mathematics minor | *August 2015 – May 2019* | GPA: 3.92/4.0

Completed classes such as Applied Analysis Sequence (proof-based Calculus), Calc-based Physics, Genetics and Molecular Biology along with Animal physiology. Honor: Summa Cum laude, Phi Kappa Phi, Tri-Beta, National Society of Leadership and Success, and Mortar Board.

### **WASHINGTON UNIVERSITY IN ST. LOUIS**, St. Louis, Missouri

Pursuing bachelor's in Computer Science & Bioinformatics minor | *August 2018 – Present* | GPA: 3.66/4.0

Completed classes such as Probability and Statistics, Data Structures and Algorithms, Computer Engineering, Rapid Prototyping and Creative Programming, Object Oriented Software Development.

## EXPERIENCE

### **DEVELOPER** WASHINGTON UNIVERISTY ST. LOUIS | *August 2019 – Present*

Working at the Neuroinformatics Lab at the WASHU School of Medicine where I assist in the usability development of the lab's main software and run QC checks to make sure all PHI is removed from images after processing. Writing scripts to cross check data transfer and assure it has transferred correctly between servers.

### **RESEARCH ASSISTANT** ILLINOIS WESLEYAN UNIVERSITY | *August 2017 – May 2018*

Worked at developmental biology lab, preparing and sectioning specimens in addition to performing immunohistochemistry to analyze development of cartilage in fish jaws.

### **VOLUNTEERING/SHADOWING** OSF ST. JOSEPH MEDICAL CENTER | *August 2015 – Present*

Worked in the ER assisting patient's families around the area, and performing rounds on patients. Shadowed doctors and observed and assisted in minor procedures such as placing a catheter.

### **RESEARCH ASSISTANT** NORTHWESTERN UNIVERSITY | *August 2013 – August 2014*

Wrote of an algorithm in MATLAB to analyze images and denoise them.

## LEADERSHIP

### **National Society of Leadership and Success** | VICE-PRESIDENT | *April 2017 – May 2018*

Planned orientation, induction, and assisted students in completing the requirements that they need to become members.

### **IWU Tri-Beta Bio Honors Society** | JUNIOR CLASS REPRESENTATIVE | *April 2017 – May 2018*

Helped start volunteering program with a local hospital and get deal on MCAT test prep from Kaplan.

### **Habitat for Humanity** | FUNDRAISING DIRECTOR | *April 2017 – May 2018*

Planned and oversaw multiple fundraisers for the charity and participated in building of a local houses.

### **Association for Computing Machinery** | VICE-PRESIDENT | *April 2017 – May 2018*

Helped plan events and start new projects for new members to develop their understanding of computers.

## SKILLS

**Computer Languages** | Python, Bash, HTML/CSS, JavaScript, PHP, MySQL, Bootstrap, NodeJS, SQLAlchemy, Learning: ReactJS, C++.

**Biology Related Programs** | PECAAN, DNA Master, IMAGE J.

**Computer Programs** | Mathematica, AutoCAD Inventor, Igor Pro, Photoshop.

**Lab Techniques** | Performing mini-preps, In-Fusion cloning, restriction digests, Gel Electrophoresis both: agros, and polyacrylamide, PCR, SDSPAGE, electroporation and testing cell metabolism.

**Research Skills** | Writing Research Reports, doing statistical and data analysis, creating professional graphs and presentations.