# TUYEN PHAM

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Portfolio website: https://tpham.netlify.app/

## EDUCATION

**Temple University – College of Science and Technology** **Philadelphia, PA**
Distinction in Majors *Graduated Dec 2020*
Bachelor of Science in Computer Science – Minor in Mathematics *GPA: 3.65*
Dean's List: Fall 2017, Spring 2018, Fall 2018, Spring 2019, December 2020
Relevant Courses: Programming Design and Abstraction, Operating System, Data Structures, Algorithms Machine Learning, Software Design, Web Application, Android Application, Capstone.
Code Path (Summer 2019): Advanced Software Engineering Course

## TECHNICAL SKILLS

- Programming Languages: Java, C, Python, HTML5, CSS, SASS, JavaScript, React, Express, Node.js, WebGL, Three.js
- Technologies: Linux, Unix, Git, GitHub, AWS, Google Cloud Platform, SQL & No.SQL, MySQL, MongoDB

## WORK EXPERIENCE

**InstaHub** **Philadelphia, PA**
*Full Stack Developer* *Feb 2021 – Present*
- Integrate the full stack web application provides feedback on the frontend by React, backend by Node and Express.
- Cooperate with data science team to analytics data collected by the Multi-sensor Datalogger backend in Flask, Django.
- Evaluate UI/UX performance with insights from client demonstration.

*Web Developer Intern* *Aug 2020 – Dec 2020*
- Maintain and update a partial codebase of critical Dashboard frontend operations by React, Bootstrap, HTML5, CSS.
- Update and maintain MySQL database tables for custom modules among the server service by Nodejs, Express.js.
- Design and implement a calculator to calculate the electric bill savings for real-time client.

## RESEARCH EXPERIENCE

**Temple University – College of Science and Technology** **Philadelphia, PA**
*Undergraduate Research Assistant* *Jan – May 2020*
- Collaborated with a Ph.D. student and a master student to build the LAMP stack web application.
- Assembled data from the google spreadsheet by implementing the JavaScript code then building the backend Nodejs.
- Computed and analyzed data collected from the sensors to accurately derive mathematically on Amazon DynamoDB.

**Temple University – College of Science and Technology** **Philadelphia, PA**
*Undergraduate Research Student* *Jan – Dec 2019*
- Build new virtual smart home models based on the basic usage of the Blender system.
- Work familiar with Python Script to control objects in the Blender system.
- Work with the data collection engine provided by the open-source 3D creation software project.

## TECHNICAL PROJECTS

**Amazon Clone (Full stack)** *March 2021*
- Developed a Progressive Web Application in full-stack areas, using React framework, designing and analyzing database, building server with both server-side rendering and API and building UI.
- Deployed at: https://clone-ed564.web.app/.

Tech stack: React JS (Redux), Node, Express, Firebase, Firestore.

**3D Reconstruction Tool (Full stack)** *Aug – Dec 2020*
- Developed a Progressive Web Application using React designed on the front-end, Express on the back end connected with Google Compute Engine and Neural Network, has improved the researchers experience of reconstructing a 3D model from 2D image.
- Used serverless architecture, Google Cloud Platform to deploy the application.

Tech stack: Git, GitHub, React Hook, Express, Three.js, WebGL, Neural Network, Google Cloud Platform