Erick Tepan

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EDUCATION

Lehigh University, Pennsylvania   Attending
Major, Computer Science
High School for Environmental Studies, New York   Class of 2020

SKILLS & INTERESTS

- Java, Flutter, JavaScript, Node.js, Python, C, C++, CHARM-GUI, Scheme, React.js, React.ts, TypeScript, Twilio, Next.js, HTML, CSS, MongoDB, PostgreSQL, Dart, Oauth, ElephantSQL, Heroku, Fluent in Spanish, beginner French, Robotics, Animation, Photography, Film, Environment, French, game development, graphic design

Experience

The Buzz Project, Member   2022

- Collaborated with my team to launch The Buzz, a full stack application for sharing and liking ideas. My responsibilities included designing and developing the application using technologies such as Heroku, PostgreSQL, Oauth, Flutter, React, Java, Memcached and Google Cloud.

Research in Computer-Aided Drug Discovery, researcher   2021-2022

- Integrated knowledge in the fields of computer science, biology, chemistry, and physics to ultimately generate models and simulations of biological systems using Python, SOL, and CHARMM-GUI.

HackViolet, participant   2022

- Designed and developed VioletLight, a mobile app using React-Native, Twilio, Google Cloud, Redis, Next.js, and Expo.io for the HackViolet hackathon in the category of "Best Hack to Support Women." The app allows users to create and track groups using geolocation technology and sends notifications for low battery and distances traveled outside of designated safe areas.

HackHolyoke Hackathon, participant   2021

- Won first place in the HackHolyoke Hackathon's sustainability category with a web page designed using React.js, CSS, HTML, MaterialUI, Node.js, Express.js, and Nodemon.js. The page addressed the issue of food waste by tracking expiration dates and sending notifications to users

Robotics Club, Member   2018-2020

- Designed merchandise and parts for the robot using Canva, Adobe Illustrator, Tinkercad, and Vertr. These designs were later laser cut or 3D printed using a Cricut Machine. Advertised, documented, and recorded team progress using Wix and social media.
- Participated in the First Robotics Competition and First Tech Challenge.

Gender-Sexuality Alliance, Member   2018-2019

- Collaborated with LGBTQ members and advocated for the school to provide a safe space for LGBTQ members. Created a platform for racial, gender, sexual, and economic justice.