# Joss Duff

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## Education

**Lehigh University – B.S. in Computer Science and Business**     September 2019 - May 2023
*Bethlehem, PA*

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## Experience

**Software Engineer - Nano Human Initiative, Lehigh University**     January 2020 – September 2021
*Bethlehem, P.A.*

- Small undergraduate team lead by Lehigh's Dr. Brian Chen to create a graphic user interface for remote control and viewing of electron microscopes.
- Team leader of four assigned with the task of implementing a custom Python library developed by the manufacturer of Lehigh's electron microscope into our existing website.
- Developed extensive documentation on state-of-the-art Python library to control electron microscopes.
- Communicated and worked with team located across various time zones.

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## Projects

**Solidity Developer – JossToken**     September 2021 – Present
- Learned Solidity best practices to develop an ERC-20 token with unique token mechanics.
- Deployed contract using Hardhat environment.
- Implemented Ethers.js library to interact with the smart contract at jossduff.com.

**Blockchain Developer – Blockchain data structures**     October 2021 – Present
- Coding in Rust to create Merkle tree and block data structures to create a mock blockchain.

**Full Stack Developer – Buzz**     September 2021 – Present
- Worked with small team to develop message board application for my software engineering class.
- Practiced agile development with two-week sprints and SCRUM management.
- Worked on the back end with Maven and Heroku, Android front end with Flutter, and as project manager.

**Frontend Developer – jossduff.com**     January 2021 – Present
- Personal website to display some projects created with HTML, CSS, and Bootstrap.

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## Extracurricular

**Vice President – Lehigh Cryptocurrency Club**     October 2021 – Present
*Bethlehem, P.A.*

- Led educational discussions with students about blockchain and cryptocurrency topics
- Organized and planned club meetings and events
- Recruited 100+ members

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## Skills

Solidity, Ethers.js, Hardhat, C, Rust, JavaScript, Python, Git, HTML, CSS, MySQL, Java