

# William A. Peracchio

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## EDUCATION

**Lehigh University**, Bethlehem, PA

**Master of Science in Computer Science**

Expected May 2021

**Bachelor of Science in Computer Science & Business**

Expected January 2021

**Cumulative GPA:** 3.97 | **Major GPA:** 4.00

**Minors:** Data Science, Entrepreneurship

**Certificate:** Global Citizenship

**Courses:** Analysis of Algorithms, Data Structures, Software Engineering, Data Science, Blockchain Algorithms, Database Systems, Computer Applications in Business, Entrepreneurial Ventures Capstone, Operating Systems, Women in Tech Seminar

**Honors:** Tau Beta Pi Engineering Honor Society, Rossin Junior Fellow, Lehigh University Founder's Scholar, Lehigh University National Merit Scholar, PwC Lehigh CSB Scholar, Dean's List

## EXPERIENCE

**Software Development Intern, OSIsoft LLC**, Philadelphia, PA

June 2019 – August 2019

- Developed in Angular 7 on the next generation of PI Visualization software, working on UI, data processing, and testing areas
- Worked in an Agile - Scrum environment, including running stand-ups for a team of 9 developers and presenting at project-wide sprint review meetings
- Completed an average of 15 Kanban-style effort points per sprint, improving the team's average velocity metric by 26%

**Blockchain Research Intern, PwC Czech Republic**, Prague, Czech Republic

May 2019 – June 2019

- Evaluated enterprise blockchain and distributed ledger solutions for both internal and client use by the Assurance department
- Developed a plugin using VBA and Hyperledger Composer for Microsoft Excel that allows for workbooks to export to and import from a distributed Hyperledger Fabric network

**Engineering Intern, Commvault**, Tinton Falls, NJ

September 2016 – January 2017

- Developed localization script for global logistical reporting using Python's XML ElementTree
- Detected and analyzed coding bugs and algorithmic efficiency in pre-existing programs

## PROJECT

**Co-Founder, Preff – \$8,500 in Total Award Winnings | Technologies: Flutter, Dart, NodeJS**

[www.preff.menu](http://www.preff.menu)

- Researched market landscape, performed customer empathy interviews, and developed prototype API backend for Preff, a full-circle customer relationship management solution for restaurant managers, integrated with end-users as a dining-centric meetup app to facilitate word-of-mouth sales
- Winner of the Baker Institute's Eureka! Ventures Pitch Competition, Stage 2 (March '18), Stage 3 (September '18, March '19), Joan F. & John M. Thalheimer '55 Grand Prize and the Michael W. Levin '87 Advanced Technology awards (April '19)

## SKILLS

- Proficient** – JavaScript ES6+, Java, Python, NodeJS, SQL, HTML5, CSS3, Angular, Git
- Comfortable** – Bootstrap, TypeScript, Vue, Sass, R, Express, C++, C, MongoDB, React, Scala, Postgres, Docker
- Familiar** – Dart, Flutter, Hyperledger Fabric, Hyperledger Composer, Solidity, Apollo GraphQL, MeteorJS, SAP

## LEADERSHIP

**Gryphon (Resident Assistant), Lehigh University Office of Residence Life**, Bethlehem, PA

August 2018 – Present

- Managed 28 residents during the 2018-2019 academic year, serving as a mentor, resource guide, and policy enforcer
- Coordinated bi-weekly hall programming events for students in conjunction with 5 other Sayre Park Apartment Gryphons

**Lead TRAC Writing Fellow, Center for Innovation in Teaching & Learning**, Bethlehem, PA

August 2018 – Present

- Worked with 15 students to help improve their writing for Intro to Business class; worked with 28 students through two sections for Business Ethics class to help further students' persuasive writing abilities
- Headed writing assignment revision for Intro to Engineering Practice course for Fall 2019, course of 334 first-year students

**President, Computer Science & Business Association**, Bethlehem, PA

May 2018 – Present

- Mentored 41 first-year students with their transition from high school to college, including academic advising and help in furthering their professional goals through on-campus resource connection
- Coordinated professional development events to help students learn about new technologies and help improve their programming and professional abilities, featuring topics such as blockchain and personal branding

**Vice-Chief Engineer, Sigma Phi Delta Engineering Fraternity**, Bethlehem, PA

December 2017 – Present

- Organized internal and external professional events, including resume workshops and first-year student orientation sessions
- Managed professional component of the 50+ member fraternity through coordination of various career development, cultural, fundraising, and philanthropic events around campus in conjunction with other student and administrative groups

## ACCOMPLISHMENTS

**Finalist, Piazza Summer 2019 Tech Tour, Piazza Technologies Inc.**, Palo Alto, CA

August 2019

- Selected as one of 10 Finalists from 10,000 applicants for the Piazza Summer 2019 Tech Tour; Piazza is an online educational technology platform that is utilized by 50,000 professors in 2,000 schools in more than 90 different countries

**Winner, Blockchain Design Prompt, Lehigh Valley Hacks**, Bethlehem, PA

April 2018

- Designed and prototyped an easy-to-use, fully functional virtual wallet that allows transfer between ERC20 cryptocurrencies

**1<sup>st</sup> Place, Wharton Undergraduate FinTech Hackathon**, Philadelphia, PA

February 2018

- Designed and prototyped a money-management solution aimed at consumers for easy-to-use peer-to-peer lending