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 Jan. 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, Women in Technology 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 – Aug. 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 different enterprise blockchain and distributed ledger technology solutions for internal and external use for PwC Czech Republic's 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 — Sept. 2016 – Jan. 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

Preff – $8,500 in Total Award Winnings | Technologies: Flutter, Dart, NodeJS — www.preff.menu

- Preff is 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
- Researched market landscape and customer needs; developed prototype API backend
- 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)

LEADERSHIP

Gryphon (Residential Assistant), Office of Residence Life — Aug. 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 and Learning — Aug. 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
- Lead writing fellow for Introduction to Engineering Practice course for Fall 2019, course of 250+ first-year students

President, Computer Science & Business Association — 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 — Dec. 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

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

ACCOMPLISHMENTS

Finalist, Piazza Summer 2019 Tech Tour, Piazza Technologies Inc. — Aug. 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 — April 2018

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

1st Place, Wharton Undergraduate FinTech Hackathon — Feb. 2018

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