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
Minors in Data Science, Economics, Entrepreneurship | Certificate in Global Citizenship
Cumulative GPA: 3.97 | Major GPA: 3.98

Relevant Courses: Analysis of Algorithms, Data Structures, Software Engineering, Design of Integrated Business Applications, Strategic Management, Business Analytics, Financial Analytics, Data Science, Blockchain Algorithms, Database Systems, Data Mining, Network Security, Entrepreneurial Ventures Capstone, Operating Systems, Women in Tech Seminar

Honor Societies: Phi Beta Kappa Honor Society, Beta Gamma Sigma Business Honor Society, Tau Beta Pi Engineering Honor Society

Awards: Contribution to Student Life Leadership Award, Class of 1904 Scholarship, 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 plug-in 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
- Researched market landscape, performed customer empathy interviews, and developed for Preff, an advertising 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, Microsoft Azure (AZ-900 Certified), HTML5, CSS3, Angular, Pandas, Git
- **Comfortable –** SQL, 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 2019 – May 2020
- 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-President, Sigma Phi Delta Engineering Fraternity, Bethlehem, PA — May 2019 – May 2020
- 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

1st 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