

# Lucas Brennan

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## Education

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University of Pittsburgh, Pittsburgh, PA  
Bachelor of Science in Computer Science  
Minor: Applied Statistics

Aug 2015 - Dec. 2018  
GPA: 3.5

*Selected Coursework:* Operating systems, Algorithms, Applied Categorical Data Analysis, Computer Organization and Assembly Language, Software QA, Software Engineering

*Involvement:* Computer Science Club

## Technical Skills

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*Languages:* Java, Javascript, Mysql, Python, Perl, CSS

*Frameworks/Libraries:* VueJS, AngularJS, Git, Tomcat, Maven, Ansible, RESTEasy, XML, Spring, TestNG/JUnit

## Work Experience

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**Software Developer , BlueMatrix**

*January 2019 - Present*

- Researched and implemented a proof of work algorithm for DDOS protection using Java and JavaScript which greatly reduced unwanted web scraping
- Facilitated the creation of site reliability engineering team
  - Outlined documentation around common problems and potential solutions
  - Used monitoring tools to track issues before they occur
  - Worked with Level 1 support to communicate technical solutions directly to clients
- Onboarded multiple high profile clients onto the platform using direct communication with clients and targeted development
- Researched, designed and implemented solutions to problems surrounding financial data, helping user experience in authoring financial research reports
- Involved in security fixes following application penetration testing which included validating request headers/user input and broken access control

**Quality Computer Systems Intern , Luitpold Pharmaceuticals**

*June 2018 – September 2018*

- Managed user access to quality systems
- Conducted audit trails
- Created and managed Excel spreadsheets for software validation
- Worked with a team of GxP Specialists on the ExcelSafe project