

Solomon Heisey

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EDUCATION

University of Pittsburgh, School of Computing and Information

Bachelor of Science in Computer Science

Pittsburgh, PA

Aug. 2017 – Apr. 2021

EXPERIENCE

Enterprise Technology Development Program Associate

Jun. 2021 – Present

Highmark Health

Pittsburgh, PA

- Worked closely with customers, business analysts, partners and IT team members to gain a deeper understanding of the business requirements that inspire analysis and the design of innovative technical solutions
- Assisted, analyzed, designed, coded and tested application enhancements
- Participated in Highmark's software development life cycle, meeting defined scope, target dates and budgets, with minimal or no defects

Undergraduate IoT Researcher

Aug. 2018 – May 2021

University of Pittsburgh, School of Computing and Information

Pittsburgh, PA

- Undergraduate research assistant under Adam Lee, PhD
- Developed tangible methods to assure data security and user privacy
- Designed algorithms to intercept and analyze IoT network traffic patterns

Java Application Developer Intern

May 2020 – Jun. 2020

Highmark Health

Pittsburgh, PA

- Evaluated Highmark Health's response to Covid-19 from the perspective of a Computer Scientist
- Examined numerous viewpoints to build a complete report
- Researched and analyzed scientific studies, statistical reports and medical data to develop insights and contribute to publications

Application Developer Intern

May 2019 – Jan. 2020

Listrak

Lititz, PA

- Worked in a Kanban-based group in charge of developing new features, product enhancements, troubleshooting, and refactoring legacy code
- Wrote efficient, clean, and visually appealing code for large production platforms and interfaces
- Built and assisted in the development of back-end solutions for web applications, analyzed client data and wrote complex SQL queries
- Manually tested and wrote unit tests to allow for a more streamlined development process

PUBLICATIONS AND PROJECTS

Connected IoT Device Monitoring via Network Traffic Analysis

May 2021

Visual-Inertial Odometry based SLAM for Drones Survey

Apr. 2020

SaTC CORE: Small: Collaborative: Tangible Privacy User-Centric

Aug. 2018

Sensor Designs for Assured Privacy

TECHNICAL SKILLS

Languages: Java, Python, C++/#, SQL (Microsoft, Oracle, MySQL, SQL Alchemy), MongoDB, JavaScript, HTML/CSS, R, Scala, Go

Frameworks: .NET, jQuery, REST, Splunk, Angular, Flask, JUnit, NUnit, Jinja

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: Tensorflow, pandas, NumPy, Matplotlib, Scapy, PyShark

REFERENCES

References Available Upon Request