Solomon Heisey

Pittsburgh, PA ● (717)847–4134 ● solheisey25@gmail.com ● https://pitt.edu/~soh22/

Profile

I am a senior at The University of Pittsburgh majoring in computer science with a concentration in software engineering. I am seeking back-end software engineering, data science, or related full-time jobs starting in spring 2021 to further my practical experiences and theoretical knowledge of Computer Science.

Education

Bachelor of Science in Computer Science   08/2017 – 05/2021
University of Pittsburgh   Pittsburgh, PA
GPA: 3.0/4.0
Relevant Coursework: Database Management Systems, Formal Methods in Computer Science, Software Engineering, Programming Languages for Web Applications, Operating Systems, Systems Software, Algorithm Implementation, Data Structures

Work experience

Undergraduate IoT Researcher   08/2018 – present
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   05/2020 – 06/2020
Highmark   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   05/2019 – 01/2020
Listrak   Lititz, PA
- Full Stack developer in a Microsoft-based development environment
- 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

Technical Support Specialist Intern   05/2018 – 08/2018
Fulton Financial Corporation   East Petersburg, PA
- Tracked and reported issues, cooperated closely with internal and external teams
- Verified data integrity and accuracy, configured tested and utilized embedded software applications for use in the banking industry
- Assisted in troubleshooting customer problems to assist in creating a more effective back-end solution

Publications and Projects

Connected IoT Device Monitoring via Network Traffic Analysis   05/2021
Visual-Inertial Odometry based SLAM for Drones Survey   04/2020
SaTC CORE: Small: Collaborative: Tangible Privacy User-Centric   08/2018
Sensor Designs for Assured Privacy

Skills and Strengths

Strengths: Ambitious, Adaptable, Android Development, Machine Learning, SCRUM, XP, Waterfall, and Kanban Systems, Application Development, Database Management, Goal Oriented
Programming languages: C, C#, C++, Java, JavaScript, Python, R, Scala, Go
Web Technologies, Frameworks, and Libraries: .NET, Docker, jQuery, REST, Splunk, Angular, Tensorflow
Data Management and Data Modeling: JSON, Microsoft SQL Server, MongoDB, MySQL, Oracle Database, XML, CSV

Social Media

@solomonheisey   @solomonheisey

References

References Available Upon Request