COLLEGE
200 W College Ave, Apt 4
State College, PA 16801

Peter W. Meglis

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PERMANENT
116 Nonset Path
Acton, MA 01720

EDUCATION

The Pennsylvania State University   May 2020
B.S. in Computer Science, Minor in Entrepreneurship and Innovation   GPA: 3.97/4.00

WORK EXPERIENCE

https://linkedin.com/in/peter-meglis

Microsoft, Corp.   Bellevue, WA
Software Engineer Intern, AI Platform – Azure Machine Learning Service   *May 2019 – August 2019*
- Developed webapp in ReactJS and MaterialUI that reduced the time for on-call software engineers to troubleshoot incidents
- Taught myself JavaScript frontend development and collaborated with another developer to build and implement REST APIs
- Modularized my code and hosted the webapp on Azure App Service in preparation for scaling to multiple teams
- Translated pain points and process inefficiencies into clear technical requirements by interviewing software engineers

The MathWorks, Inc.   Natick, MA
Engineering Development Group Intern, Cloud Services   *May 2018 – August 2018*
- Built continuous integration tests in Java for an innovative cloud infrastructure product by collaborating with quality engineers
- Modernized old services to compete with market trends by adopting technologies like Docker, Kubernetes, and AWS
- Developed quickly in an Agile methodology by communicating in daily stand-ups with software engineers and managers
- Shared intellectual capital with quality engineers and interns by creating project plans and presenting on new technologies

LEADERSHIP AND DEVELOPMENT EXPERIENCE

THON Technology Committee   University Park, PA
Dash (THON Weekend Dashboard) Developer   *April 2019 – April 2020*
- Developed and managed webapp handling over 20,000 users throughout the 46-hour Penn State Dance Marathon
- Integrated Google Analytics Solutions and overhauled the information dashboard that led to more informative real-time data

THINK (THON Information Network) Developer   *April 2018 – April 2019*
- Increased THINK team productivity by 20% by completely rewriting legacy report system to be modular and reusable
- Reduced integration conflicts by creating robust unit tests for Travis CI using test-driven development for Django website
- Collaborated with other developers in daily Agile stand-ups, weekly meetings, and in Git project development

Marching Blue Band   University Park, PA
Technology Chair   *April 2019 – April 2020*
- Migrated the entire 300+ member organization to Microsoft Teams that led to a 100% rise in reception of communication
- Implemented the Ultimate Drill Book app to all 270+ marching members that was used during every rehearsal

Technology Committee Project Manager   *April 2018 – April 2019*
- Created a band-wide collaborative check-off system that led to a 300% speed-up in the staff's position-setting process
- Developed a PDF Splitter application in Java that resulted in a 40% increase in efficiency to copy and distribute music

Comfortly LLC   State College, PA
Founder and CEO   *November 2018 – April 2019*
- Earned 1st place in Penn State mHealth Challenge pitch competition alongside technology and nursing students
- Presented on customer pains and market opportunities to University leadership by interviewing over 25 healthcare professionals
- Led a group of 4 graduate students in Interaction Design who won Best Graduate Engineering Design

Intro to Data Structures & Algorithms   University Park, PA
Learning Assistant   *August 2018 – May 2020*
- Lectured material to 2 classes of 40 students each week and helped individuals with questions during office hours

PERSONAL PROJECTS

Twitch.tv Highlights, Python & NodeJS   *January 2017 – November 2018*
- Created a text analysis program using Keras deep learning, HexChat, and the Twitch.tv API to clip highlights from live streams
- Implemented multithreading to allow multiple streams to be analyzed simultaneously in real time on the backend server
- Integrated a Linux machine and Samba File Server to analyze live streams 24/7 through a webapp interface