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/petermeglis

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