

# BAILEY ENGINEER

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## EDUCATION

University of Pittsburgh, Pittsburgh PA

Expected Graduation: April 2022

Bachelor of Science in Computer Engineering

GPA: 3.66

Minor in Computer Science

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## TECHNICAL SKILLS

Software/Languages: Java, C/C++, JavaScript, Matlab, Model Sim, Oracle 10/11g, Quartus Hardware Design, MIPS

Lab: Laser Cutter, CNC Mill, 3D Printer

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## PROJECTS

### Build a Processor Project

April 2020

- Designed a processor emulator using basic logic gates for the MIPS programming language

### Internet Time Management

May 2019

- Developed an app with a four-person team, offering a time-management solution to students who seek to better manage internet usage
- Utilized C and JavaScript to implement system with the focus of perfecting usage time and the ability to suspend internet access when deemed necessary

### Linear Control Systems

October 2019

- Led three-person team to optimize a PID controlled system with Simulink and MatLab code using mathematical and empirical methods
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## EXPERIENCE

University of Pittsburgh, Pittsburgh, PA

### Information Systems/Technology II

April 2020

- Assisted staff with the delivery and setup of laptop systems to support faculty teaching as well as various meeting activities
- Answered general computing resource related questions, including the configuration of laptops in order to permit access to campus computing resources students
- Alerted IT staff regarding issues related to classroom Audio Visual equipment

### Math Tutor – Math Assistance Center

October 2019

- Assisted approximately six students per week in learning math concepts for their courses
  - Maintained ongoing communication with and between students and staff
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## ACTIVITIES AND AWARDS

- Pitt LAN and Gaming Club September 2018-Present
- Steel Hacks February 2020
  - Participated in the annual hackathon with a group of four teammates
  - Developed an app to help students study and stay on track with their projects
- She Innovates January 2020
  - Participated in the annual hackathon, completing a project within 36 hours
  - Won second place for app focusing on buddy pairings for various Pitt locations and events