

## **EDUCATION**

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Kutztown, PA

Kutztown University

- **B.S., Computer Science – Software Development**

**May 2016**

- GPA 3.4

- **B.A., English – Professional Writing**

**December 2005**

- Minor: Speech Communication
- GPA 3.6, Magna Cum Laude

## **TECHNICAL EXPERIENCE**

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### **Research Experience**

**Summer 2015 – Spring 2016**

- Student Research Assistant, Data Sonification and Visualization, Dr. Dale Parson. Learning about data processing with Weka, Parallel Coordinates software for visualization, working in an established codebase in Processing, and coding a GUI interface in Java.

### **Project**

**Fall 2015 – Spring 2016**

- TextbookKU: an Android app that allows students to buy textbooks from and sell to other students on campus. This app was a capstone group project for Software Engineering I & II. As Project Leader & System Analyst, I guided the development from the initial idea through the SDLC to deployment. I helped to coordinate the team's efforts and produced technical documents.

## **COURSES**

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Data Structures I & II

Software Engineering I & II

Intro to Database Systems

Intro to Intelligent Robotics

UNIX: Sys Programming/Administration

Java

Operating Systems

## **LANGUAGES AND TECHNOLOGIES**

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- **Programming Languages:** C++, Java, Python, Ada
  - Conversant with: HTML, CSS, JavaScript
- **Software:** Git, Adobe Photoshop, Microsoft Office, Bash
- **IDE:** Processing, Eclipse, Android Studio, Emacs, Arduino
- **Operating Systems:** Windows XP..10; Mac OSX; Unix/Linux

## **HONORS & ACTIVITIES**

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- Member: Alpha Sigma Lambda, nontraditional student honor society, April 2015
- Student Mentor, CareSTEM Program, 2015-2016 year
- Published paper in PACISE 2016 Conference: *TextbookKU: a Mobile App that Helps Students Trade Textbooks and Save Money*
- CompTIA A+ Certified Professional Depot Technician, June 2009
- Hobby electronics & Prototyping with Arduino & breakout boards
- Related work experience: Sales Analyst at hdeshop.com: managed 500+ piece product catalog over 7 ecommerce sites; analyzed daily/weekly sales on Amazon; evaluated new products/potential sales volume; created tutorial videos, wrote copy; researched SEO and introduced social media engagement.