# Allan La

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## EDUCATION

**Bucknell University, Lewisburg, PA**
**Expected Graduation Date May 2018**

B.S.E. in Computer Science and Engineering,

Minor in Mathematics

## COURSEWORK

Data Structures
Algorithms
Software Engineering
Computer Architecture
Programming Languages
Operating Systems
Human Computer Interaction
Databases
Full Stack Web Applications

## SKILLS

**Proficient:**
Python, Java
**Familiar:**
C, HTML, CSS, JavaScript, R, HQL, SQL
**Operating Systems:**
Linux
**Technologies:**
D3, ReactJS, Affectiva, Bootstrap, MongoDB

## INTERESTS

Data Science
Software Development
IoT Development
Mobile Development

## LINKS

https://allanla.github.io/portfolio/
https://www.linkedin.com/in/allanla

## RELEVANT WORK EXPERIENCE

**UnitedHealth Group | Technology Development Internship**
Summer, 2017 | Boston, MA

- Designed and implemented a machine learning pipeline to automate the manual processing of claims
- Accepted role of Data Master and used R's tidyverse package to manipulate data for machine learning, and creating visualizations for data discovery

**Worcester Polytechnic Institute | Undergraduate Researcher**
Summer, 2016 | Dr. Lane Harrison, Department of Computer Science

- Conducted interdisciplinary data science research through the WPI REU Data Science program with faculty and students
- Researched quantifying Data Literacy based on different types of visualizations and modifications
- Incorporated HTML, JavaScript, and CSS to design experiments to put on Amazon Mechanical Turk, then used R for data discovery

**Bucknell University Comp Sci. Dept. | Head Teacher's Assistant**
August, 2015-Present | Lewisburg, PA

- Oversee all help sessions and assist student questions in CSCI-203
- Organize and hold meetings with other teacher's assistants

**Bucknell University Teaching and Learning Center | Facilitator**
August, 2016-Present | Lewisburg, PA

- Facilitated and organized study groups for CSCI-204
- Fostered an inclusive environment where ideas can be shared and discussed

## AWARDS AND LEADERSHIP

**Robert G. Miller Math, Science and Engineering Scholarship**
2014-2018| Bucknell University

**Diversity Chair of Lambda Chi Alpha at Bucknell**
January, 2015 – Present

- Connected fraternity and multicultural clubs to bridge the culture gap

**Engineering Success Alliance (ESA) Peer Mentor**
August, 2015 – Present | Bucknell University

- Provided academic and social support to 21 incoming engineering students

## PROJECTS

**LifeAtHere**

- A complete Fullstack Development project with a Web Application, Server, and Database with 3,500+ users
- Utilized ReactJS for frontend development, Python Flask for backend development, and MongoDB for the database

**Zombie Shooter**

- Developed a third-person zombie shooter game in Java from scratch with a team of 4 using AGILE Development techniques such as Scrum and GitLab for version control