

# JOHNNY JIANG

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## Education

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### The Pennsylvania State University

August 2018 - May 2022

Bachelor of Science in Computer Science, GPA: 3.6/4.0

University Park, PA

- **Coursework:** Data Structures, Algorithms, OOP, Machine Learning, Systems Programming, Operating Systems

## Experience

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### Siemens Digital Industries Software

May 2021 - August 2021

Software Engineer Intern

Cincinnati, OH

- Enhanced cross-team communication by utilizing TensorFlow to achieve 83% accuracy in classifying sentences
- Conducted over 100 tests to evaluate OpenAI API for textual pattern recognition and generation capabilities
- Explored the potential of the What-If-Tool for Explainable AI through experiments on diverse data sets
- Leveraged Python and k-means clustering to analyze 2D data points, identifying common characteristics

### An Kang Adult Day Care

June 2022 - Present

Computer Technician

Brooklyn, NY

- Resolved an average of 15 software and application issues daily, providing support to a user base of 400
- Decreased average customer wait time by 15 minutes by implementing a ticket system for help requests
- Streamlined the bookkeeping system by leading the transition to formulaic spreadsheets, saving 7.5 hours biweekly and eliminating the potential for errors

### Developer Student Club

August 2020 - May 2022

Technical Lead

University Park, PA

- Led a team of 5 in organizing biweekly workshops to educate 30 members about GCP products
- Provided mentorship to 8 first-year students per semester by offering guidance for technical projects

## Projects

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### Reward Allocator

GitHub: <https://github.com/johnnyj2608/LootCouncil>

- Developed a Python script to construct reward assignments, resulting in 30-minute weekly time savings
- Utilized web scraping and GraphQL to extract online data, processing it into 350 nested key-value pairs

### Point of Sale System

GitHub: <https://github.com/johnnyj2608/NewGarden>

- Created a Java Swing GUI for a self-service ordering option, increasing host availability to assist clients
- Deployed PostgreSQL as the back-end database, handling over 6,000 unique paths for menu item queries

### Venue Website

GitHub: <https://github.com/johnnyj2608/RomanticHut>

- Designed a responsive Bootstrap website to showcase services offered, attracting 1,600 monthly visitors
- Achieved 86% reduction in phone inquiries by automating responses using Apps Script and Twilio API

## Skills

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- **Programming Languages:** Python, Java, HTML/CSS, Javascript, SQL (PostgreSQL), Swift
- **Frameworks/Libraries:** Bootstrap, Swing, Flutter, TensorFlow, Scikit-Learn, Pandas
- **Developer Tools:** Git, Docker, Linux, PyCharm, VS Code, Apps Script, Google Cloud Platform