

# Payton Shaltis

shaltisp@gmail.com | (609) 477-3081 | linkedin.com/in/paytonshaltis

## EDUCATION

**The College of New Jersey** Ewing, NJ  
*Bachelor of Science, Computer Science Aug. 2019 –*  
*Minor in Interactive Multimedia Present*

- GPA: 3.95/4.0
- Studying in the Honors Program
- Member of the Upsilon Pi Epsilon Honors Society

**Hamilton High School West** Hamilton, NJ  
*High School Diploma Sep. 2015 – June 2019*

- Weighted GPA: 4.78/5.0, Class Salutatorian

## WORK EXPERIENCE

**The College of New Jersey** Ewing, NJ  
*CS Student Researcher Aug. 2021 – Present*

- Currently developing the college's Library App project, including the ongoing management and improvement of the mobile application.
- Working with technologies such as HTML, TypeScript, MySQL, Ionic, and Raspberry Pis.
- Implementing software on both Windows PCs as well as developing new software for Macintosh computers to allow for integration into the mobile application.

*Peer Tutor Aug. 2021 – Present*

- Currently serving as a Peer Tutor for the college's Tutoring Center, with a focus on Computer Science-related courses.
- Concepts covered include object-oriented programming languages such as Java and C++, computer architecture, algorithms, discrete and data structures, compilers, and operating systems.

**Quakerbridge Computer & Learning Service** Mercerville NJ  
*Co-Teacher Jun. 2021 – Aug. 2021*

- Prepared over 35 high school students for a district-wide exam on the Java Programming Language.
- Course concepts taught include Java syntax, data types, basic functions, and various object-oriented topics such as class creation and utilization.
- Prepared and assessed all course assignments (including original classwork, homework, exams, and programming projects).
- Provided additional, personalized help to select students after class most days.

**Saker Shoprite** Bordentown, NJ  
*Retail Cashier and Trainer Oct. 2017 - Aug. 2020*

- Served as retail cashier for the front-end department.
- Served as the designated trainer for new hires in the front-end department, ensuring new team members were equipped with necessary skills.

- Managed cash register tills containing amounts exceeding \$1500 at one time.
- Regularly helped close the store at night.
- Followed and enforced all COVID-19 preventative measures while maintaining a sanitary working station according to guidelines.

## LEADERSHIP & VOLUNTEER EXPERIENCE

**The College of New Jersey** Ewing, NJ  
*ACM E-Board Member Aug. 2021 - Present*

- Currently serving as Outreach Chair for the Association for Computing Machinery Club.
  - Responsible for boosting club meeting turnouts through the club's official social media account.
  - Worked alongside fellow e-board members to plan and organize weekly club meetings each semester.
- CS Department Tour Guide October 2021*
- Assisted interested Computer Science majors and their families in small, focused tours around campus and our own department.
  - Utilized firsthand knowledge to answer questions about the major for interested students and parents.

## ACADEMIC PROJECTS

*B-Minor*

- A C-like programming language implemented over the course of a semester.
- Creation of a compiler for the language written from scratch in C with Flex and Bison.

*Basic Computer Simulation*

- A simulated basic computer whose specifications were implemented over the course of a semester.
- Implementation of an existing Register Transfer Language at the hardware level.
- Capable of executing programs with over 25 different instructions.

*Amazon Bias Detection*

- A web-scraper for Amazon's website written in Python using the Selenium Webdriver.
- Analyzes the profiles of reviewers to eliminate biased ones, giving a more accurate product rating.

## ADDITIONAL INFORMATION

*Programming Languages & Software Skills*

- Java, C, C++, Python
- HTML, JavaScript, CSS
- Flex and Bison
- Basic MySQL
- Certified Microsoft Office Specialist (Word, PowerPoint, Excel)
- Google Workspace (Docs, Slides, Sheets)