

# BRIAN P KASPER

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## EDUCATION

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**The Pennsylvania State University - B.S. Computer Science**  
Dual Minor in Cybersecurity and Mathematics *GPA: 3.52*

University Park, PA  
Aug 2017 - May 2021

## WORK EXPERIENCE

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### **TD Ameritrade**

*Software Engineering Intern*

Jersey City, NJ  
May '20 - Aug '20

- Worked with multiple agile teams along with two colleagues to upgrade all UI components to the latest Angular version on a consumer-facing website.
- Created a robust script to manage the installation and modification of NodeJS packages across all git repositories in a single project.
- Implemented server-side compression for static assets in a brand new back-end infrastructure.
- Contributed to two daily agile stand-ups; front-end and infrastructure.

### **TD Ameritrade**

*Software Engineering Intern*

Jersey City, NJ  
May '19 - Aug '19

- Developed a proprietary web application in Angular Typescript to automate the creation of release documentation for TD Ameritrade Institutional applications.
- Built an interactive release calendar allowing managers and product owners to directly view and edit upcoming releases and save information to JIRA and Confluence.
- Pulled information from JIRA, Bitbucket, and ALM to gather important information revolving TD Ameritrade Institutional releases.

## SKILLS

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Programming Languages: Typescript, Javascript, Swift, Java, Python, C  
Industry Knowledge: Linux, MongoDB, MySQL, RESTful APIs, Cloud Computing (AWS)

## PROJECTS

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### **Dollar Pizza Finder iOS** *Swift, Google Places API, Google Firebase*

<https://github.com/bpk9/Dollar-Pizza-Finder-iOS>

iPhone App that instantly gets directions to the nearest \$1 Slice of Pizza in New York City.

### **PSU Campus Bus Alexa Skill** *Javascript, AWS Lambda*

<https://github.com/bpk9/PSU-Bus-Alexa-Skill>

Enables Alexa devices to be able to determine when the next Penn State campus bus will get to a given bus stop.

### **Restaurant Database Website** *PHP, MySQL, HTML, CSS*

<https://github.com/bpk9/Restaurant-Database-Website>

Displays data from a MySQL database on a PHP website and allows for basic CRUD interaction with the database.

## AWARDS

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### **Dean's List**

Dec '17, Dec '18, Dec '19, Dec '20 - The Pennsylvania State University  
Selected as a Dean's List Recipient for 4 total semesters at the Pennsylvania State University which recognizes students who achieve a GPA above 3.5 during the semester.

### **CodePSU Award Winner**

May '18 - The Pennsylvania State University  
Won third place out of 46 teams in coding competition at The Pennsylvania State University by working with two colleagues to come up with lightning fast algorithms and solve advanced programming problems under a limited timeframe.

### **Technology Academic Award**

May '17 - Saint Joseph High School Technology Department  
Given one of two awards which recognizes students who have demonstrated outstanding achievements in technology throughout their time at Saint Joseph High School.