

BRIAN P KASPER

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EDUCATION

The Pennsylvania State University

Computer Science Major - Cybersecurity and Mathematics Minor *GPA: 3.52*

University Park, PA

Aug 2017 - May 2021

WORK EXPERIENCE

TD Ameritrade

Software Engineering Intern

Jersey City, NJ

May 2019 - Aug 2019

- 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.
- Contributed to a daily automation team stand-up.

TD Ameritrade

Software Engineering Intern

Jersey City, NJ

May 2020 - Aug 2020

- Worked on an agile team responsible for making elegant front-end upgrades to the Veo One platform in Angular Typescript.
- Assisted other teams in fixing front-end defects and deployment issues around Veo One.
- Created robust NodeJS scripts to partially automate deployment processes across all Veo One components
- Resolved back-end issues dealing with compression and serving static assets.
- Contributed to two daily Veo One stand-ups, front-end and infrastructure.

SKILLS

Programming Languages: Typescript, Javascript, Python, Java, Swift

Industry Knowledge: Linux, MongoDB, MySQL, RESTful APIs, Cloud Computing (AWS)

PROJECTS

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

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

iPhone App to Find Closest \$1 Pizza Slice in NYC.

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 campus bus will get to a given stop.

Casper Python, Google Speech API, Wikipedia API, Wolfram Alpha API

<https://github.com/bpk9/Casper>

Personal Assistant with Speech Recognition

Restaurant Database Website PHP, MySQL, HTML, CSS

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

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

AWARDS

Dean's List

Recognized for a semester GPA > 3.5

The Pennsylvania State University

Dec 2017, Dec 2018, Dec 2019

CodePSU Award Winner

3rd place award winner of competitive programming competition.

The Pennsylvania State University

May 2018