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# WILL MORGUS

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[willmorg.us](http://willmorg.us)

## Relevant Coursework:

- Analytics and the Digital Economy
- Scaling Technology-Based Ventures
- Data Structures and Algorithms
- Big Data Analytics and Machine Learning
- Advanced Algorithmic Design
- Scalable and Cloud Computing
- Software Engineering
- Product Design

## Skills:

### Programming Languages:

- Javascript (Node/Express, React, Gatsby, jQuery, React Native), Python (primarily SciPy stack), R, Java, HTML/CSS, Swift, OCaml

### Technologies:

- Hadoop, Spark, Docker, Tableau, OpenRefine

### Other Skills:

- Data science, project management, public speaking, business development, leadership

## Awards:

- National Merit Scholarship Finalist
- Boy Scouts of America: Eagle Scout

## Education:

University of Pennsylvania - *Philadelphia, PA*

- *School of Engineering and Applied Science*: BAS in Computer and Information Science
- *The Wharton School*: BS in Economics, intended concentrations in Business Analytics and Management
- *Activities*: Weiss Tech House Innovation Fund (Project Manager), TA for CIT 594 (data structures and software design), M&T Board (Professional Committee VP), Phi Kappa Psi Fraternity (Brotherhood and Community Service Chair)

## Experience:

**inventXYZ, Software Engineer, TA — May 2020 - Sept. 2020**

- Designed, built, and refined landing page with Liquid templates
- Built lightweight for summer program CRM using AWS Lambda (Javascript), API Gateway, DynamoDB, and SES
- Designed, optimized, and began to implement full stack serverless content delivery platform using Google Cloud, Cloudflare Workers, and AWS
- Teaching assistant for Summer Program: tested curriculum, graded assignments, and held office hours for projects in Python and Arduino

**AD3 Analytics, Software Engineering/Design Intern — May 2019 - Sept. 2019**

- Worked on full-stack implementation of machine learning for supply chain analytics dashboard using Node, EJS Templating, and Bootstrap
- Made infrastructure decisions, optimized data import system

**Twine Labs, Business Development Intern — Nov. 2018 - May 2019**

- Worked remotely for people-data analytics startup
- Assisted in sales, design, and engineering hiring, completed extensive competitor research, helped develop design and pricing strategies, sourced potential clients

**PennApps, Head of Development — Feb. 2018 - Oct. 2019**

- Full-stack development role building infrastructure for semi-annual hackathon attended by 1500 students
- Leading team of six developers to improve existing Node.js systems and build new ones by adapting and adopting Agile principles

**Pronto Systems Inc, Co-Founder, VP of Growth, Software Developer — Jan. 2017 - Oct. 2017**

- Built out beta and V2 of mobile application using Swift and React Native, wrote PHP scripts to handle payment processing, built admin panel with HTML/CSS
  - Also worked to develop new markets and direct the development of a business-facing adaptation of our model
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