Drew Boyette

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Education

University of Pennsylvania, School of Engineering and Applied Science   Philadelphia, PA
Candidate for Bachelor of Applied Science, Computer Science   *May 2019*
Minors*: Mathematics, Engineering Entrepreneurship*

Selected Projects:

➢ *iPhone App Course:* Developed iOS app *Atlantis*, a travelling app built in Swift that finds cheapest and fastest flights in two touches. Uses Expedia API to retrieve up-to-date flights (Spring 2017)
➢ *Database and Information Systems Course:* Conceived and designed database project *Mapper,* a platform built in MongoDB and Node.js to provide a simple way to access and query US civic data (Team of 4, Spring 2017)

Skills

Languages: Java, Python, R, C, C++, Assembly, SQL, MongoDB, Swift, Rails, JavaScript, & HTML/CSS
Platforms: Linux/Ubuntu, Windows, & Mac OS
Tools/IDEs: Eclipse, Dr. Java, GitHub, RStudio, Sublime Text, Vim, Firebase, Heroku, PostgreSQL, AWS, & XCode

Experience

BeneFix   Lancaster, PA
Software Developer Intern   *Summer 2017 - Present*
➢ Serve as a full stack developer across multiple languages and technologies, including Ruby on Rails, Java, PostGres, Angular, D3, and Amazon Web Services
➢ Develop and enhance various tools in Java Swing to parse data and perform validation tests
➢ Streamline numerous upgrades to the BeneFix platform weekly using Ruby on Rails, JavaScript, & CSS
➢ Collaborate in strategic and tactical planning and design sessions with CEO and senior engineers

University of Pennsylvania, CIS Department   Philadelphia, PA
Teaching Assistant, Introduction to Computer Architecture   *Spring 2017 – Present*
➢ Facilitate lessons to over 200 students on memory management and fundamentals of Assembly and C
➢ Hold weekly office hours for debugging and answering course-related questions, grade student assignments, and design new assignments and exam questions

Wharton School   Philadelphia, PA
IT Technician   *Fall 2015 – Present*
➢ Provide walk-in customer service to students with computer problems including software/hardware problem solving, virus removal, and troubleshooting wireless connectivity problem

University of Pennsylvania, Biology Department   Philadelphia, PA
Programming Research Assistant   *Summer 2016*
➢ Developed and maintained several packages that compiled C++ code in R environments
➢ Collaborated on projects focused on animal social networks in conjunction with evolutionary biologists

Activities

Social and Recruitment Chairman, Sigma Nu Beta Rho, Spring 2016 - Present
➢ Facilitate planning and execution of numerous events throughout year with budget of over $30K

Mentor, Big Brothers Big Sisters Program of America, Spring 2016 – Spring 2017
➢ Developed one-to-one relationship with youth by offering consistency, encouragement, and role modeling
➢ Built and maintained a dependable and positive influence as volunteer in community based program

Web Developer, Daily Pennsylvanian, Fall 2016 – Spring 2017
➢ Co-developed interactive web framework from scratch using JavaScript, HTML, & CSS
➢ Maintained and updated core website using Git and Atom, receiving 1000+ views weekly