

Kyle Wilcox

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EDUCATION

University of Pennsylvania, Philadelphia, PA

Expected Graduation: May 2016

- *School of Engineering and Applied Sciences*: Candidate for Bachelor of Science in Computer & Information Science
- *College of Arts and Sciences*: Candidate for Bachelor of Arts East Asian Languages & Civilizations (Concentration: China)
- *Relevant Coursework*: Advanced Programming Language & Techniques, Data Structures & Algorithms, Ruby on Rails: Web Development, Introduction to Algorithms, Computer Organization & Design
- *Varsity Football Player*: 25+ hour weekly schedule of practice, training, and meetings in addition to Ivy League academics
- *Cumulative GPA*: 3.21 / 4.00

Minzu University, Beijing, China

Exchange Student: June 2013—August 2013

- Participated in intense, 10-week study abroad language and immersion program through Columbia University
- Spoke only Mandarin for the entire duration of the program
- Traveled throughout China making use of language skills and developed business contacts in the region

Armwood High School, Tampa, FL

Graduated May 2011

- *Valedictorian*: Finished first in a class of 400 students
- *National High School Rudy Award Winner*

PROJECTS

FitShare Webapp

- Developed with Ruby on Rails, a workout webapp allowing sharing of workouts
- Used RESTful web design to manage updating, creating, deleting and reading data
- Git version control to update app during development and deployed through Heroku
- Implemented Ruby gems providing greater functionality to user

Twitter Data Processor

- Applied graph algorithms BFS, DFS, Kosaraju's to handle data with minimal cost in time and space
- Set up object oriented design and abstraction allowing an easier understanding of functionality with each module
- Used factory method design approach to handle the creation of Data Processor depending on input file type

Pipelined Processor

- Drew schematic of processor, including modules required for the data path, bypassing, and stall logic
- Gained understanding of complexity required in circuits and logic involved in making sure data is correctly managed while executing the current instruction read from memory

ACTIVITIES & LEADERSHIP

Football Player, University of Pennsylvania and Armwood High School

August 2007—present

- Ivy League Champions (2012), All-Ivy Selection (2013)
- At Armwood, was named First Team All-County, Tampa Bay First Team All-Academic, Florida Junior Orange Bowl Scholar, and was a FHSAA 4A State runner-up in 2010

WORK EXPERIENCE

Underwriting Intern, US Ameribank, Tampa, FL

May 2012—August 2012

- Analyzed customer data and provided actionable, concise metrics using Excel and other company software
- Created market reports that projected growth for Tampa Bay-area convenience stores using in-depth research into both local and macroeconomic trends
- Conducted research and projected future energy outlook for the Tampa Bay area, with a specific focus on the auto industry
- Gained experience in financial and risk valuation by assisting in the loan underwriting process

SKILLS

Language: Advanced proficiency in Mandarin Chinese

Computer: Proficient in Java, HTML, C, CSS, OCalm, Ruby on Rails, Github, Heroku, Android development, Adobe Photoshop, Microsoft Office Suite, iMovie