Wayne Xun

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EDUCATION

Northwestern University   *June 2013 - Present*
Robert McCormick School of Engineering and Applied Science
- Bachelor of Science in Computer Science, anticipated graduation in June 2017
- Major GPA: 3.71, GPA: 3.51

EXPERIENCE AND RESEARCH

Amazon   *Seattle, WA*
Software Development Engineer Intern   *Spring 2017*
- Incoming Spring intern on the Global Financial Systems team from Jan. 2017 – Mar. 2017

The MathWorks   *Natick, MA*
Computer Science Development Group Intern   *Summer 2016*
- Expanded Matlab Online's login page to accommodate special user session corner cases
- Extended server-side code to incorporate additional cases and handle unexpected user sessions
- Designed and implemented UI for new pages with the Dojo toolkit using the Dijit library

Northwestern University   *Evanston, IL*
Web Security Research Staff   *Winter 2015, Spring 2016*
- Prototyped a machine learning CSP generator on an academic team for web security research
- Implemented generator to create AST-like syntax structures from scripts for data learning phase

Teaching Assistant for Network Penetration and Security   *Fall 2016*
- Deployed two Linux servers with lab environments and assisted with grading and coursework

Intel Corporation   *Hillsboro, OR*
Software Development Engineer Intern   *Summer 2015*
- Created "Intel Bluebench", a data visualization web application illustrating laptop benchmarks
- Built using Google Charts with custom JavaScript and responsive Bootstrap styling

PROJECTS

Hungry Einstein (*Mobile Development*)   *Spring 2016*
- Created a hybrid mobile app for Northwestern students to receive tutoring in exchange for food
- Implemented UI features using AppGyver's Supersonic framework with AngularJS, HTML5 and CSS

VideoGameML (*Machine Learning*)   *Spring 2016*
- Examined various neural networks models' ability to predict market trends of in-game marketplaces
- Scraped and cleaned data using Ruby and Node.js scripts before training and predicting with Weka

EXTRACURRICULARS AND HONORS

ACM ICPC Regionals 2016 (*Competitive Programming*):   Top 25% at mid-central regionals
Microsoft BTS USA Nationals 2016 (*Capture the Flag*):   Nationals for competitive hacking event
Hack the Vote 2016 (*Capture the Flag*):   Top 9% at RPISEC's global competitive hacking event
MathWorks Hacks 2016 (*Hackathon*):   Geographic visualization of IP packet paths
Wildhacks 2016 (*Hackathon*):   Growth hack leveraging data mining and SMTP
Wildhacks 2015 (*Hackathon*):   Social fitness incentivization mobile application

RELEVANT COURSEWORK

Data Structures	Algorithms	Computer Systems	Network Penetration
Machine Learning	Agile Development	Computer Networking	Cloud Comp. Networks

LANGUAGES AND SKILLS

Languages: Python, JavaScript, Web (HTML, CSS), C++, Bash, Matlab
Skills/Technologies: Node, Git, Perforce, AWS, MongoDB, Linux, AngularJS, Dijit, Dojo, Supersonic, Agile