Kellie Carlson

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EDUCATION

University of Pennsylvania / MSE Candidate
Computer and Information Science
JANUARY 2018 – MAY 2020 • PHILADELPHIA, PA
Cumulative GPA: 3.68/4.00

University of Pennsylvania / BSE
Majors: Computer and Information Science, Economics
Minor: Mathematics
AUGUST 2015 – MAY 2019 • PHILADELPHIA, PA
Honors: IEEE-Eta Kappa Nu Honor Society
Dean's List 2018-2019

SKILLS

Programming Languages:
Experienced: Python • JavaScript • SQL • Java •
TypeScript • HTML5 • CSS/SASS/LESS • C • R
Familiar: MATLAB • OCaml • Verilog
Libraries & Frameworks: Angular • React •
Bootstrap • Highcharts • D3 • MyBatis • JavaParser •
Qdox • Node.js • Spring • Maven
Software: Git • Github • Bitbucket • Jira • Confluence •
SolidWorks • Android Studio • LaTeX/ TexMaker •
Microsoft Office Suite • GIMP
Methodologies: Agile • Scrum • Waterfall
Machinery: PLS 4.75 (Laser Cutting) • Makerbot

RELEVANT COURSEWORK

Computer and Information Science: Automata,
Computation & Complexity • Big Data Analytics •
Computer Operating Systems • Computer Organization
and Design • Database & Information Systems • Discrete
Probability and Statistical Inference • Introduction to
Algorithms • Introduction to Networks and Security •
Machine Learning • Networked Systems • Programming
Languages and Techniques I & II
Economics: Econometrics • Game Theory • Linear
Algebra • Macroeconomics • Macroeconomic Modeling •
Microeconomics • Market Design

PERSONAL INTERESTS

Recreational Tennis • Cooking & Baking • Drawing

WORK EXPERIENCE

JPMorgan Chase & Co. / Software Engineering Intern
JUNE 2019 – AUGUST 2019 • WILMINGTON, DE
Built a full stack application for JPMC's consumer and community
banking business as part of an Agile team using Java, JavaParser, Qdox,
and MyBatis for middleware, MariaDB for backend, and Angular and D3
for the frontend.

JUNE 2018 – AUGUST 2018 • NEWARK, DE
Designed the user experience and developed an internal web-based
dashboard using Angular, HTML, and LESS to support JPMC's asset
management business

JUNE 2017 – AUGUST 2017 • WILMINGTON, DE
Built an internal full-stack web application using React.js, SASS, Java,
Maven, and Spring among other tools on an Agile scrum team for JPMC's
consumer and community banking business

University of Pennsylvania / Teaching Assistant
Databases & Information Systems (CIS 550)
JULY 2019 – PRESENT • PHILADELPHIA, PA
Graded and provided feedback for homework, projects, and exams.

College Houses & Academic Services Technology
at the University of Pennsylvania
Information Technology Advisor
AUGUST 2016 – MAY 2019 • PHILADELPHIA, PA
Progressed from Information Technology Advisor (ITA) to Senior ITA to
ITA Manager, earning "Manager of the Year" recognition for the 2018-
2019 academic year. IT responsibilities included addressing computing
issues for college house residents pertaining to network connectivity,
software installation, malware, and AV technology. Manager
responsibilities included interviewing and hiring new ITA staff members,
reviewing and verifying IT staff timesheets, supervising all IT
programming, and holding responsibility for all levels of technical issues
within the college house.

PUBLICATIONS

[1] Carlson, J., Carlson, K., Kurian, M., Agrawal, N., Xiang, A. & Brown, D.
(2012). Changing Speed and Pitch of Synthesized Voices: Perceived Effects
on Attributes and Retention. In Proceedings of Global Learn 2012 (pp.
239-244). AACE.

[2] Carlson, Jaimie M., Carlson, Kellie L., & Kuykendall, Benjamin R.
(2014). A Review of the Practical Capabilities and Perception of the
SixthSense Device. In Proceedings of the International Conferences on
Interfaces and Human Computer Interaction 2014 (pp. 61-68). IADIS.

HACKATHON PROJECTS & AWARDS

"HerLocked" / FemmeHacks Spring 2017
Created a mechanism to control a door lock using an Arduino managed
by a mobile web application via Bluetooth
Recognition: Softheon Most Innovative/Creative, Intel Best Hardware

"Marauder's Mapp" / PennApps Spring 2016
Developed an Android social media application using Google Voice,
Google Maps, and Parse APIs for users to see and track friends' locations
Recognition: PennApps Top 30 (of 173), Devpost Staff Pick