





kasra koushan

 github.com/kasrakoushan
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education

Bachelor of Engineering, University of Pennsylvania Philadelphia, PA
Computer Science (CGPA 3.54/4.00) Sept 2016 - present
– Algorithms, Databases, Theory of Computation (graduate-level),
Computer Architecture, Healthcare Economics

Bachelor of Science, University of Toronto Toronto, ON
Computer Science & Mathematics (CGPA 3.97/4.00) 2014 - 2016
– Software Design, Systems Programming & Unix, Computer Organization,
Linear Algebra, Probability, Physics, Real Analysis on Manifolds
– Transferred out after sophomore year

experience

Hack4Impact Philadelphia, PA
Developer Sept 2016 - present
Developer at Hack4Impact, a student-run organization which develops software for non-profits. Developed an Internet Weather App that provides internet usage and censorship statistics using data visualizations in React Native.

Over Cape Town, SA
iOS Development Intern June - July 2016
Developed animation feature for photo editing application Over. Built a working prototype that enabled addition of animating GIFs to the project canvas.

McGill Space Institute Montreal, QC
Computational Modelling Intern May - Aug 2015
Produced numerical models of exoplanet interiors using Python, finding relationships between central pressure, envelope entropy, and other parameters. Supervised by Professor Andrew Cumming.

projects

NextTime Reminders
kkoushan.com/projects/NextTime June 2016
Smart location-based reminder app on iOS. Available on the [App Store](#).

iXplore App
kkoushan.com/projects/iXplore June 2016
Photo journal application on iOS that allows you to associate pictures with locations on a world map.

Link
kkoushan.com/projects/link July 2016
Shell script that allows the user to create website bookmarks within terminal and open them with a simple command.

skills

Proficient: iOS (Swift), Python, Java, Git, C, Bash.
Familiar: HTML, CSS, JavaScript, PHP, LaTeX, MATLAB, Ruby.

awards

NSERC Undergraduate Summer Research Award
May 2015
Research grant awarded on the basis of academic achievement and research potential.

University of Toronto Scholar
Sept 2015
Awarded to top 100 students in class at the Faculty of Arts & Sciences, comprised of thirty thousand undergraduates.

Best Use of Parse API
Sept 2015
Awarded for use of Parse API in Glas4 project at MHacks 6. See glas4.co.

activities

Teaching Assistant
Linear Algebra II
Automata & Complexity
PennApps
Media Team
The Daily Pennsylvanian
Photographer
Penn Persians
Norouz Banquet Planning
Online Coursework
exoplanets
behavioural biology
bioinformatics
game theory
TEDxPenn
Tech Team