

NICK MCKENNA

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LEADERSHIP & MENTORSHIP

Teaching Assistant (CS 18, CS 33)

Creating new curriculum and leading review sessions and labs. Also grading student work and holding hours.

Hack@Brown Organizer

Hackathon "day-of" coordinator. Launched hackatbrown.org. Spearheaded diversification of attendees through proposition and deployment of advanced applicant ranking algorithm.

Meiklejohn Peer Advisor

Advising new students at Brown. Coordinating with faculty to best support them.

SKILLS

Proficient in

Objective-C, Swift
Scala
Java
Python
Haskell

Experienced with

Xcode, JetBrains IDEs
Adobe Illustrator
Sketch

INTERESTS

User interaction design
Typography
Product development
Consumer tech
Writing short stories
Reading
Hiking

EDUCATION

Brown University (Providence, RI)

Expected Graduation: May 2017

- Concentration: Computer Science
- Related Coursework:

CS 32	Software Engineering
CS 1951-E	Computer Systems Security
CS 145	Probability and Computing
CS 33	Computer Systems
CS 53	Linear Algebra in Computer Science
CS 17, 18	Computer Science through Functional and Imperative Design
CS 22	Discrete Mathematics and Probability
ENGN 9	Management of Industrial and Nonprofit Organizations
VISA 100	Visual Arts Foundation

INDUSTRY EXPERIENCE

Yelp Engineering Intern (SeatMe for iPad)

Summer 2015

- Streamlined table management for restaurants using Yelp SeatMe. Created a new, research-driven interface for SeatMe's core feature, reservation creation, which will allow hosts to run the house in a fraction of normal time.
- Consulted on design and usability of elements of SeatMe's UI.

INDEPENDENT SOFTWARE DEVELOPMENT

nighttime software company, Founder and CEO

2010 - Present

- End-to-end: design, execution, and deployment of
 - *Beyond 2048: Two to Infinity* (iOS, 2014) - Charming reboot of the *Threes!*-inspired game, *2048*. Unlockable themes, crisp graphics, and fluid animations.
 - *wherEverglades* (iOS, 2014) - Interactive map of environmental and recreational sites in Florida. Made for the Everglades Foundation.
 - *c.blend* (iOS, 2012) - Cohesive color palette designer with code export. Editor includes synchronous color complementing in RGB or traditional RYB colors.

CLASS PROJECTS

- *Maps* - Mapping web app. Draws vector roadways and gives directions between points using A* pathfinding. K-D tree provides nearest-to-click location finding. Instant autocorrect suggestions for user input underneath text boxes.
- *Search* - Search engine over 8K Wikipedia pages with PageRank.
- *Shell* - Interactive terminal shell with file execution, redirection, and processes.
- *GUIZilla* - Web browser with GUI rendering. Parses HTML from scratch.

GROUP PROJECTS

- *Lightning Notes* - Web app that structures and styles text as you type. Developed product idea; led interface design efforts; engineered the dynamic compilation of user-defined rules into regexes which spot relationships in text for styling.
- *Echo Messaging* - An experiment in meme propagation through one-way messages. A user may echo a received message for another to read or mute it to end the chain. Conceived idea; directed project-wide style; designed and engineered mobile UI.