

# Jack Burns

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## Education

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### Northeastern University | Boston, MA

2012 - May 2017

Candidate for a Bachelor of Science in Computer Science

GPA: 3.2/4.0

Honors: Dean's Scholarship | Software Development Fellow | Course-Community Collaboration Award

## Experience

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### Catalant (previously HourlyNerd) | Boston, MA

May 2016 - December 2016

Software Engineer (co-op)

- Designed and implemented a model management service to control and rebuild our machine learning models across multiple environments
- Built a standalone application to view internal analytics and visualize our machine learning models
- Assisted in developing companies Docker infrastructure
- Implemented the API surrounding our machine learning models and feedback collection systems, integrated them into our other applications

### Catalant | Boston, MA

July 2015 – January 2016

Software Engineer (co-op)

- Implemented product features and major refactors across entire stack (MySQL, Python API, Angular)
- Conducted client-side performance diagnostics and led effort to address issues
- Enhanced Amazon Web Services deployment process in Ansible

### Tripadvisor (previously FlipKey) | Boston, MA

July 2014 – March 2015

Co-op Developer | Junior Developer (part-time)

- Implemented major front-end features in Javascript, PHP, and SASS for main product site (FlipKey.com)
- Researched new Javascript libraries and added functionality to main product site
- Collaborated closely with product and design teams on design documents and implementation details
- Built new features upon ABTest and MCID APIs using PHP, Python, and MySQL

## Projects

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### Boston Housing Authority Volunteer Portal

- Lead student team to build a web app for the Boston Housing Authority's Volunteer Interpreters Program
- Built with Angular.js and Flask, hosted on AWS with Jenkins continuous integration

### Fire Emblem Optimizer

- Designed and built web app to find optimal character pairings for the Fire Emblem games
- Built with React.js

### Cycle Circle

- Designed and built web and mobile applications enabling Boston cyclers to meet up and share routes
- Built with Angular.js, Node.js, Android, and Parse

## Skills

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Languages: Javascript | Python | CSS | HTML | SQL | Java

Technology: React.js | Angular.js | Node.js | SASS | Flask | SQLAlchemy | git | Docker | Jenkins