

## ANDREW N. KAISER

Rensselaer Polytechnic Institute, Troy, NY  
Bachelor of Computer Science, Entrepreneurship Minor  
G.P.A. 3.41/4.00  
Graduated: May, 2017

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## TECHNICAL SKILLS

Programming Languages:	JavaScript/Node.js, Scala, Python, Bash, Lua, Java, C++ , C, Dart, PHP, CSS
Frameworks:	React/Redux, GraphQL Angular1/2, Express, Django, REST APIs
Software:	Adobe Photoshop, Illustrator, Gimp, Inkscape, ImageMagick
OS:	Arch Linux, Debian, Kali Linux, Raspbian, XMBC Kodi, Android
Other:	Docker, Docker Compose, Kubernetes, Helm, MongoDB, PostgreSQL, SQL Server, <del>ETX</del>

## EXPERIENCE

**Wayfair** | Software Engineer 2018 - September 2018

- Lead engineer on customer help chat bot service powered by NLP machine learning, written in Python.
- Designed, implemented, & deployed service to integrate with existing customer service chat.
- Configured Kubernetes deployment with Helm, setup Gitlab CI (unit tests, linting) & Jenkins (Docker image builds).
- Bot service used by customer service chat & secondary internal service I wrote using Microsoft Skype bot framework.

**CollegeAI Inc.** | Software Architect May 2017 - November 2017

- Company originated as [collegeai.com](http://collegeai.com) , a ML research project attempting college recommendations through [RCOS](http://RCOS).
- Implemented machine learning predictor engine & REST API microservices.
- Created distributed web scraper for fast college applicant data collection.
- Supported customers (high school students and counselors) seeking help with our product and providing feedback.
- Built and maintained mobile responsive SPA web clients in React/Redux using Material UI spec.
- Tech stack: Node.js front ends & back ends, docker microservices managed through Kubernetes on Amazon AWS.

**Applied Visions Inc., Code Dx** | Intern Software Developer Summer 2015,2016

- Intern on 6 person developer team. Used Scrum development and received code reviews from mentor.
- Developed Atlas, a data sheet manipulation Node.js web app, improving upon excel sheet editing company used.
- In Scala, wrote PHP code ingestion tools used in production [Code Dx software](http://Code Dx software), also applied bug fixes.
- Created open source plugin for ZAPProxy project to integrate with Code Dx ([owasp.org](http://owasp.org)).

**Bundl IvS** | Intern Software Developer Spring 2016

- Worked for a 3 person supply chain management startup while studying abroad in Copenhagen, Denmark.
- Created Angular2 language translation module & contributed to design of prototype web app.
- Created landing page to pitch their product to potential customers.

**Rensselaer Center for Open Source (RCOS)** | Undergrad Researcher 2014 - 2017

- Mentor to new projects, taught workshops on Dockerizing applications, gave programming talk on Scala.
- Built prototype server for Sia: Decentralized Storage Network (Nebulous Labs).
- Contributed to front-end refactor of the RPI Computer Science department's website.
- Lead 4 person project [telebum](http://telebum), a mobile web app for tracking tv shows and Facebook friends' shows.
- Containerized [telebum](http://telebum) application using Scala backend, React-Redux front-end and GraphQL client-server protocol.
- UI/UX developer for [okcollege.io/](http://okcollege.io/) prior to being employed by company.

## INVOLVEMENT

Wayfair Community Coding Day| Mentor  
Boy Scouts of America | Eagle Scout, Adult Leader  
Semester Abroad | Denmark Technical University in Copenhagen, Denmark  
Lambda Chi Alpha Fraternity | Server Administrator, Feeding America Volunteerism  
Hackathon Participant | HackPSU, HackRPI, CopenHacks  
Foundry RPI | Pitch startup ideas

## RELEVANT COURSES

Data Structures [C++]	Algorithms [C++]	Software Design & Documentation
Operating Systems	Programming Languages	Cryptology & Network Security
Database Systems	Starting up a New Venture	Speech Communication