

Nathan Owen

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EDUCATION

WILLIAM & MARY

Expected May 2017
Williamsburg, VA

BS IN COMPUTER SCIENCE AND COMPUTATIONAL MATHEMATICS

Dean's List (All Semesters)
Cum. GPA: 3.98 / 4.0

AWARDS

Fullbright Scholar to London
Monroe Scholar
Outstand Optimist Award

LINKS

Github:// [newOnahtaN](#)
Personal:// [nateo.co](#)
LinkedIn:// [nathancoleowen](#)

COURSEWORK

COMPUTER SCIENCE

Simulations
Principles of Programming Languages
Software Development
Computer Organization
Algorithms
Data Structures

MATHEMATICS

Abstract Algebra
Elementary Analysis
Axiomatic Methods
Simulations
Ordinary Differential Equations
Numerical Analysis
(*Research Asst.*)

SKILLS

PROGRAMMING

Proficient:
Java • Ruby • Python • Rails
AngularJS • Git • \LaTeX
Familiar:
C • C++ • CSS • Shell • ObjectiveC •
Android

INTERNSHIPS

VTS | SOFTWARE ENGINEERING INTERN

June 2015 – Present | New York, NY

- Full stack development in Ruby on Rails and AngularJS with a team of 20 engineers. Quick iteration cycles, nightly deployments, strict testing requirements with an intrinsic focus on process.
- Built out client data integration services that eliminated 20 hours of manual integration per week.
- Deployed an integration with salesforce on short notice which won over two large clients.

AIDDATA | RESEARCH ASSOCIATE

December 2014 – May 2015 | Williamsburg, VA

- Lead the formalization of the extract, transform, load process for various geocoded datasets stored as tsv. Devised a data integrity suite in Python, including thorough schemas.

PROJECTS

STEER CLEAR W&M | ANGULARJS

With a team of 5 students over 3 months, created an Android, iOS, and web app to manage logistics for a volunteer car ride service for college students.

PIVOTAL TRACKER DEPLOYMENT REPORTER | RAILS

Made available a tool to email a summary of delivered pivotal tracker stories (an agile development tool) at milestones in deployment cycles.

GENE | BIOINFORMATIC TOOL, PYTHON

Teamed with the W&M Biology department to catalog DNA and RNA sequences programmatically on both Windows and Mac.

RATE MY PROFESSOR CHROME EXTENSION | JQUERY

Scraped and injected Rate My Professor ratings into William and Mary's open course list concurrently. 2000 peak users and 355 weekly users.

3-D ANDROID MAZE GAME | JAVA

Class project to extend a maze game with maze solution algorithms, alternative OOP design patterns, and personalized graphics.

CLASS NOTIFIER | RAILS

My only private project, a tool that sends me an email and sms as soon as any new Computer Science courses are added at W&M.

PIVOTAL TRACKER API RUBY GEM | OPEN SOURCE CONTRIBUTION

Extended the 'pivotal-tracker' ruby gem cover a wider range of api endpoints, paying attention to the project's coding standards and testing.

SOCIETIES AND LEADERSHIP

Chair	Association for Computing Machinery	2015
Scholarship Chair	Phi Sigma Pi Honor Fraternity	2013-2015
Founder and President	Science National Honor Society	2012-2013
Band Captain	Nationals-Winning Marching Band	2012-2013