Yury Voloshin

186 Bay 26th St., Apt 3A, Brooklyn, NY 11214
(917) 349-8135
yvoloshin01@gmail.com

SOFTWARE DEVELOPER

My background blends 3+ years of software development experience using PHP/Symfony/Vue.js with the problem-solving and analytical mindset developed as a Ph.D.-level chemical engineer to offer solid skills in web application building, as well as systematic testing and debugging approaches.

Languages: PHP, MySQL, Ruby, JavaScript, HTML, CSS
Tools: Symfony, Linux, jQuery, Twitter Bootstrap, Ruby on Rails, Git, Bitbucket, GitHub, Heroku
Portfolio page and blog: yvoloshin.github.io

EXPERIENCE

Columbia University, New York, NY
Associate Software Developer   7/2017 – present

- Used Symfony and Vue.js to develop online tools for administrators of Columbia University using using a test-driven approach and RESTful architectures both on an individual basis and as part of an Agile team of developers
- Used Codeception and PhantomJS to create acceptance and integration tests
- Wrote MySQL queries
- Contributed to product design for new applications
- Interacted with clients to discuss project specifications
- Technologies: Linux/Apache/MySQL/PHP stack, Symfony framework, Vue.js, JavaScript, jQuery, Bootstrap, Git, Bitbucket, HTML/CSS, Codeception, PhantomJS, Elasticsearch

Columbia University, New York, NY
Junior Software Developer   1/2016 – 7/2017

- Developed front-end and back-end aspects of online tools for administrators of Columbia University using using a test-driven approach and RESTful architectures both on an individual basis and as part of an Agile team of developers
- Used Codeception to create acceptance and integration tests
- Technologies: Linux/Apache/MySQL/PHP stack, JavaScript, jQuery, Bootstrap, Git, Bitbucket, HTML/CSS

The Firehose Project Web Development School, Boston, MA (remote position)
Support Engineer   10/2015 – present
- Reviewed and troubleshot students' web development projects (Ruby on Rails)

BASF Catalysts Inc., Iselin, NJ
Research Engineer   7/2008 – 7/2014
- Developed software for calculating pressure drop across catalytic converters using C#
- Created mathematical models of automotive catalytic converters

Stevens Institute of Technology, Hoboken, NJ
Ph. D. Candidate / Graduate Research Assistant   5/2004 – 5/2008
- Developed a novel lab-scale process for production of hydrogen peroxide
- Created a mathematical model of the hydrogen peroxide process
- Award: Robert C. Stanley Graduate Fellowship in Engineering and Science

---

PROFESSIONAL DEVELOPMENT

Web Development, Algorithm, and Data Structures Foundations - Firehose Project
(5/2015 – 8/2015)

- Learned how to build-out basic CRUD Rails apps following standard Rails conventions (without using scaffolding), involving mailers, validations, image uploading on AWS S3 and nested RESTful routes

- Implemented tests using the MiniTest's Test::Unit syntax for both unit and functional tests

- Worked through traditional computer science algorithms and data structures challenges
- Pair programmed with senior web developers as well as with peers

MyRecipeBox https://allmyrecipes.herokuapp.com   Personal Project
Application for storing and displaying recipes (Ruby on Rails, Postgresql, Heroku, Sass)
- Conceptualized and wireframed the app

RoutineTrack http://www.routinetrack.com   Personal Project   Ongoing
Application for creating and tracking workout routines (Ruby on Rails, Postgresql, Heroku, Sass, jQuery)
- Conceptualized and wireframed the app
- Developed a system for creating and tracking workout routines

---

EDUCATION

Stevens Institute of Technology, Hoboken, NJ
Ph.D. in Chemical Engineering
Bachelor of Engineering in Chemical Engineering

New York University, New York, NY
Bachelor of Science in Chemistry

Foreign Languages: Russian (fluent)

Other Activities: author of a cookbook (myBook.to/cookbook)