Jake Kenneally

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github.com/jdk2pq

EXPERIENCE

Commonwealth Computer Research, Inc. (CCRi), Charlottesville, VA
UI/UX Software Engineer, July 2014 to present

Arpeggio, a marketing data analytics webapp written in Scala and Angular
- Led the development team, efforts, and delivery of application, including upgrade from AngularJS to Angular 2+
- Moved expensive frontend data processing to backend to deliver 10-20x speed improvements
- Implemented automated report generation, with PDF, PPT, and CSV support, to reduce months of client work to minutes

Stealth, a geospatial data visualization toolset in the browser written in AngularJS
- Built reusable 2D-histogram, grid, and customizable "baseball card" AngularJS libraries to visualize data in different ways
- Created a plugin to plot GDELT event data by type and query from GeoMesa on Google Cloud Bigtable
- Integrated in-house spatial prediction and route planning services in the UI

GeoMesa, an open-source, distributed, spatio-temporal database written in Scala
- Developed support for ingesting, storing, and querying raster images
- Created a set of CLI tools for ingesting, viewing, and deleting data
- Developed an ingest pipeline with Apache Storm and Kafka to store any type of geospatial data in GeoMesa

Genworth, Richmond, VA
IT Intern in DevOps, May 2013 to August 2013

Puppet Manager, a CodeIgniter webapp to communicate with Puppet
- Automated provisioning and orchestration of each Puppet node through a simple UI

F5 Load Balancers
- Tested upgrades to the system before rolling out to the production environment

Commonwealth Computer Research, Inc. (CCRi), Charlottesville, VA
Intern, May 2012 to March 2013

SWIFT, prediction analysis software written in Java and ExtJS
- Resolved 40+ UI bugs and upgraded to new version of common UI framework used at CCRi
- Improved search using Compass and Lucene to allow searching event metadata

SPINOZA, early-warning threat prediction and analysis software written in Java and ExtJS
- Created a punchcard time series visualization using D3 to show frequency of weekly events at certain hours of day

PROJECTS

VOCAL Virginia, Charlottesville, VA
August 2013 to May 2014

VOCAL Admin, an administrative app for VOCAL Virginia developed in the CS Service Learning Practicum at UVA
- Provided free software development and support for a nonprofit organization
- Gained year-long experience in Ruby on Rails, Agile development principles, and client interaction
- Saved 10 hours per week for VOCAL employees and automated many administrative tasks of the organization

Class of 2014 Trustees, Charlottesville, VA
August 2013 to May 2014

BeforeYouGraduate, a webapp to assist in completing the list of 114 Things to do Before You Graduate
- Built and maintained CodeIgniter webapp with 200+ users

Theta Chi Xi Chapter, Charlottesville, VA
December 2012 to present

RushThetaChiUVA, a webapp to automate fraternity recruitment
- Saved 20+ hours of work for the Rush Chairs

EDUCATION

B.A. Computer Science, with Distinction, University of Virginia
August 2010 to May 2014
- GPA: 3.651
- Awards and Honors: Dean's List, Theta Chi National Chapter Foundation Sherwood Blue Memorial Scholarship; Xi Chapter Presidential Scholarship, Third Year Council Ring Scholarship Recipient

PERSONAL

- Member of University of Virginia Reunions Committee, Young Alumni Council, and Post Graduate Trustees
- Plays guitar, violin, and ukulele
- Starred in a dramatic reenactment true crime TV show on Discovery Channel