JULIAN HORVAT

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PROJECTS

UOG-MOBILE
- Ongoing project with the aim of creating a RESTful API for the many UoG online services
- API server built using the Python web framework, Flask
- Currently working on the course management service, by scraping the site with a headless browser, powered by Selenium & PhantomJS
- Android client for the API is in the planning stages

BRIGHTSPACE PULSE
- An Android app built to be a mobile companion for students to the Brightspace desktop site
- Designed according to Google's Material Design Guidelines & using modern libraries/paradigms such as RxJava and Dagger
- Developed many individual features, from underlying data structures & networking calls to custom views
- More info available on my Medium post

FAN.SI
- Worked on both the Google AppEngine based API & the Backbone.js based front-end
- Features developed included a music player compatible with both browsers & a Cordova app, a live analytics dashboard built with Keen.io & the AppEngine Channels API among many others
- More info available on my Medium posts here and here

SKILLS

Programming Languages: Python, Javascript, Java, HTML5, CSS3
Android Development: RetroFit, RxJava, Dagger, Otto, GSON, OkHTTP
Web Development: Node.js, Backbone.js, Google AppEngine, Jinja2, Flask

EMPLOYMENT

UNIVERSITY OF GUELPH
Undergraduate Teaching Assistant   9/2015 - Current
- TA for Computer Networking (CIS 3210) an introduction to networks, including such topics as network protocols & web technologies

D2L
Junior Android Developer   4/2015 - 9/2015
- Worked on a small team that launched a new product focused on improving mobile user experience for students using the Learning Platform at various institutions around the world

FAN.SI
Junior Full-Stack Developer   4/2014 - 4/2015
- Second developer on the development team and lead front-end developer for the Backbone.js app

SAP
Product Support Engineer   4/2013 - 12/2013
- Part of a team that supported SQL Anywhere and Advantage Database Server handling problems ranging from simple questions to show-stopping crashes in production
- Reproduced bugs and worked with the engineering team to fix them
- Wrote Knowledge Base articles when a case had an undocumented resolution for the purpose of deflecting future cases

EDUCATION

University of Guelph
B.Comp. Software Engineering 2016
3.6 In-Major GPA