

**George “Quint” GVERNATOR V**  
<http://quint.guvernator.net>  
[quint@guvernator.net](mailto:quint@guvernator.net)<sup>1</sup>

**Mailing Address**  
P.O. Box XXXX  
Richmond, VA 23221

**Work Address**  
Snagajob  
4851 Lake Brook Drive  
Glen Allen, VA 23060

## EDUCATION

*Fall 2013 –  
Spring 2017*      **The College of William & Mary** in Williamsburg, VA  
Studying Computer Science and Linguistics  
Cumulative G.P.A. 3.7; Dean’s List for 4 semesters

*Fall 2015*      **Universiteit Leiden** in Leiden, the Netherlands  
Courses in Meta-Science, Linguistics, and Social Sciences

## EMPLOYMENT EXPERIENCE

*Summer 2017  
(ongoing)*      **API Engineer** at Snagajob in Richmond, VA  
Built REST backend microservices for a progressive work management and scheduling webapp. Worked in an Agile environment adding features according to user stories. Overhauled time, time zone, and notification behavior across several projects. Reimplemented a geolocal project for national scale.

*Spring 2015 –  
Spring 2017*      **Freelance Web Developer** in Williamsburg, VA  
Designed, built, and maintained Ruby on Rails webapps and their databases. Evaluated and reviewed research papers for implementation feasibility. Provided technical consultation to local entrepreneurs.

*Summer 2013 &  
Summer 2015*      **Software & Computer Engineering** at Valeo Service, USA in Newport News, VA  
Designed and built internal software for a warehouse environment. Deployed new software and systems. Maintained company servers. Provided technical support to employees.

*Fall & Spring 2014*      **Software Development Intern** at the Institute for the Theory and Practice of International Relations at William & Mary  
Maintained Ruby on Rails websites. Manipulated and interpreted technical papers using machine learning algorithms. Developed text mining processes. Designed and maintained internal software.

## TECHNICAL SKILLS AND EXPERIENCE

- Proficient in Python (since 2008), C (since 2013), and C# (since 2017). Proficient Linux systems programmer. Comfortable with Rust, Haskell, Ruby, Go, Java (the JVM and Android), and Shell scripting. Familiar with C++, Lua, and MIPS assembly.
- Comfortable with Ruby/Rails, Javascript (including Node, Angular, JQuery), HTML, and CSS (and its derivatives).
- Proficient at designing RESTful web APIs. Familiar with and enthusiastic about GraphQL.
- Experienced at creating, managing, and working with PostgreSQL and MongoDB databases.
- Experienced building, configuring, and maintaining GNU/Linux machines, both professionally and for fun, using various distributions. An official Arch Linux pre-release package tester.
- Active in the open-source software community; see [quint.guvernator.net](http://quint.guvernator.net) for projects. Proficient with git and related tools.
- Executed a technical review of van Baarsen’s *GitLab Cookbook* (Pact Publishing, Dec. 2014).
- Copy edited for *The Flat Hat*, the William & Mary student newspaper.
- Designed sound for films, theatrical productions, and music side-projects in Ableton Live.

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<sup>1</sup>PGP Fingerprint: 65A6 6455 A2A5 CAC8 13E4    93FB FC13 890A 40FE EF7B

## **ADMINISTRATIVE EXPERIENCE**

- Member Board of Directors, HackRVA, a makerspace in Richmond, VA.
- Former Board Member and User, Small Hall Makerspace in the William & Mary Physics department.
- Retired Member, Revspace, a hackerspace in Den Haag, Netherlands.

## **2018 HACKERSPACE PROJECTS**

- Built and programmed the electronic name badge for the RVAsec security conference in Richmond, VA using a PIC32MX MCU on a custom circuitboard. Implemented a two-channel wavetable audio synthesizer on the badge and a composition companion app for Linux, both in C. Helped coordinate this twenty-person project over nine months.
- Replaced the internals of a Casio calculator watch with a custom, hand-soldered MSP430-based board with 0201-sized surface mount components. Submitted patches in C and MSP430 assembly to the upstream maintainer.
- Manufactured made-to-order custom mechanical keyboards for work colleagues using a laser cutter, 3D printer, and reverse-engineered bluetooth chips. Managed this ten-person project over two months.
- Built a distributed thermostat on the ESP8266 platform using Lua, C, and the MQTT message bus.
- Composed 8-bit music on the Nintendo Gameboy using homebrew software synthesizers mGB & LSDj.
- Machine sewed a flag for the HackRVA makerspace.