

George “Quint” GUVERNATOR V
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Department Mailing Addresses

{Linguistics, Computer Science} Department
College of William & Mary, P.O. Box 8795
Williamsburg, VA 23187-8795

EDUCATION

2013—present **The College of William & Mary**
Studying Linguistics and Computer Science
Dean’s List, Cumulative G.P.A. 3.7

2006—2013 **Norfolk Academy** in Norfolk, VA
Advanced courses in French, German, Mathematics, and Music Theory
Graduated with Honors

EMPLOYMENT EXPERIENCE

Spring 2015 **Freelance Web Developer** in Williamsburg and Norfolk, VA
(*ongoing*) Designed, built, and maintained Ruby on Rails webapps and their databases.

Summer 2015 & **Software & Computer Engineering** at Valeo Service, USA in Newport News, VA
Summer 2013 Designed and built internal software. 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.

RESEARCH EXPERIENCE

Spring 2015 **Sensation and Perception through Augmented-Reality Audio** with the Small Hall Makerspace and the Physics department at William & Mary
(*ongoing*) Building and analyzing a system for sensory substitution or augmentation using electrical sensors as an artificial organ, augmented-reality audio as a human-machine interface, and a microprocessor development board for signal-processing.

Summer 2014 **Learning Patterns of Mobile Interface Design** with the Department of Engineering and Sciences at the University of Colorado, Colorado Springs
Studying the effectiveness of machine learning techniques when analyzing the quality of Android applications’ graphical design.

LINGUISTICS RESEARCH INTERESTS

- Computational linguistics research and development, especially related to cognitive science or computational cognitive modelling
- Language documentation, analysis, and preservation with an emphasis on community empowerment
- Theoretical work with perceptual biases and heuristics as manifest in idelect

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

COMPUTER SCIENCE RESEARCH INTERESTS

- Computational linguistics research and development, especially related to cognitive science or computational cognitive modelling
- Programming language development
- Developing powerful, flexible tools for computer power users and researchers outside the Software Development community
- Design patterns within concurrent and functional programming

COMPUTER SKILLS

- Proficient in Python (since 2007), Go (since 2013), and C (since 2013). Comfortable with Ruby, Haskell, Scheme, Java, and Shell scripting. Familiar with Rust, C++, and Lua.
- Comfortable on the web with Ruby/Rails, Javascript (including node.js, JQuery, backbone.js, and Coffeescript), HTML, and CSS styling.
- Proficient at creating, managing, and working with PostgreSQL, MySQL, and Redis databases.
- Experienced building, configuring, and maintaining GNU/Linux machines.
- Worked with large source code repositories with many contributors in Git.
- Designed sound for films, theatrical productions, and music side-projects in Ableton Live.
- Comfortable with L^AT_EX and modern desktop office suites.

OTHER TECHNICAL EXPERIENCE

- Designed test-cases and adapted project specifications for *Data Structures* course at William & Mary.
- Executed a technical review of van Baarsen's *GitLab Cookbook* (Pact Publishing, Dec. 2014).
- Active in the open-source software community; see quint.guvernator.net for an up-to-date list of projects.
- Built and programmed embedded systems with Arduino microcontrollers.

EXTRACURRICULAR ACTIVITIES

- Member, Small Hall Makerspace within the William & Mary Physics department
- Copy Editor, *The Flat Hat* student newspaper
- Show Host and Webmaster, *WCWM* student FM and internet radio station
- Shift Volunteer and Webmaster, *The Meridian* student coffeehouse

REFERENCES

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