

ROBERT GRODIN

www.RobbyGrodin.com

EXPERIENCE

Box, Los Altos, CA March 2013 – October 2013

Code Reliability Engineer – Content API Team

- Developed and taught a deep and continuously growing knowledge around good code and design strategies for testability
- Implemented unit and acceptance testing frameworks to ensure platform reliability
- Maintained and prioritized a running list of technical debt for my team
- Refactored legacy code to reduce code rot and increase scalability

Visa Inc., Foster City, CA July 2012 – February 2013

Software Engineer – Backend Core Platform Team

- Contributed code to the V.me and UltimatePay products
- Refactored legacy code to reduce code rot and increase scalability
- Ensure feature implementations were consistent with OFAC and CSR regulations

MIT Humans and Automation Lab, Cambridge, MA July 2011– July 2012

Research Engineer

- Developed a full software package for researching, experimenting, and graphing in Java
- Designed a metric to quantitatively calculate Procedural Adherence
- Applied machine learning principals to data to predict future performance

PROJECTS

Toscanini Gestural Interfacing October 2011 – Present

- Developed an interface to translate accelerometer data to MIDI using Max/MSP
- Released all applications under Creative Commons licenses
- Designed business and PR campaigns including materials and appearances

EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA 2008 – May 2012

College of Computer and Information Science

Candidate for Bachelor of Science in Computer Science and Music Technology, May 2012

Relevant Courses: Programming Languages, Object Oriented Design, Theory of Computation, Database Design, Logic and Computation, Discrete Structures

Honors: Deans list (4 years), VP of UPE (Computer science honors society)

GPA: 3.55 / 4.0

TECHNICAL EXPERIENCE

Languages: Java, PHP, Python, LISP, Racket
Sound Synthesis Languages: Max/MSP, CSound, SuperCollider, JMSL
Tools: GNU Emacs, Bash, JUnit, Eclipse, IntelliJ, Git

ACCOMPLISHMENTS

- Participated in the Boston Music Hack Day at Microsoft NERD in 2010 and 2011
- Technology Coordinator for Together Boston Music/Art/Technology festival
- Contributed an XML parser to the Java Music Specification Language project