

# Eric Hare

2418 Snedecor Hall, Ames, IA, 50011 | 425-405-0279 | erichare@iastate.edu

## Objective

To obtain an internship as a statistician, data analyst, or software developer in order to further develop my analytical and programming skills

## Education

- PhD Co-Major in Statistics and Computer Science (In Progress)
  - **School:** Iowa State University, Ames, IA
  - **Cumulative GPA:** 3.87
  - **Relevant Coursework:** Statistical methods, probability & statistical inference, statistical computing
- Bachelor of Science in Computer Engineering and Statistics (Double-Degree - June 2012)
  - **School:** University of Washington, Seattle, WA
  - **Cumulative GPA:** 3.77 / **CSE GPA:** 3.71 / **STATS GPA:** 3.84
  - **Relevant Coursework:** Probability, inferential statistics, regression analysis, machine learning, experimental design, software development tools, discrete structures, data structures, digital and logic design, software engineering, operating systems, embedded systems.
- High School Diploma (June 2008)
  - **School:** Snohomish High School, Snohomish, WA

## Skills and Qualifications

- Knowledgeable in statistical theory, linear model theory, ANOVA, regression analysis, machine learning, and more
- Has a strong knowledge of R language, Java (including Android), Objective C, C/C++, bash scripting
- Has a basic knowledge of SAS, Matlab, HTML/CSS, PHP, Javascript, ML, Scheme
- Has great communication skills and thrives in a collaborative development environment
- Conveys ideas strongly through both public speaking and writing

## Software Projects

- Created PeLiCa, a web-based application used to facilitate the use of statistical methods to evaluate the performance of peptides libraries
- Created Forecast Analysis, a tool to assess the performance of GFS Weather Forecasts in the United States
- Designed and developed a hand tracking module in OpenCV, which uses computer vision and statistical techniques in order to track two human hands independently, including location in 3D space and orientation
- Designed and developed FindItNow, an Android/iOS application which integrates the Google Maps API to locate specific items on and around the University of Washington campus (project-fin.org)
- Designed and developed Teaextract, an R language script which processes a database of documentation files and runs and analyzes the examples, then reports the results to a web service on a nightly basis

## Work Experience

- Iowa State University, Teaching Assistant (08/2012 - Present)
- TIBCO Software, Inc, Quality Assurance Intern (06/2010 - 09/2011, 06/2013 - 08/2013):
  - Developed automated unit and system tests in the R language for TIBCO software programs
  - Crafted performance and scalability tests which measure how the systems respond to varying loads
  - Contributed to the design, planning, and architecture of software projects in the organization
- UW Statistics, Tutor (03/2010 - 06/2010):
  - Assisted introductory statistics students in homework problems and analysis
  - Worked with graduate students to solve more difficult statistics problems

## Awards and Achievements

- University of Washington Annual Dean's List: 2009-2010, 2010-2011
- 2008 State Extemporaneous and Impromptu Speaking Award Winner (2nd Place)