■ Leland J. Jefferis ■

841 Burbank Pl. • Madison, WI 94062 • cell: (206) 288-9896 • jefferis.l@gmail.com

Summary

- Enthusiastic professional programmer and co-founder of an Android game company.
- Computational mathematician with proven research and leadership prowess.

Education

- Ph.D., Computational Mathematics, University of Wisconsin - Madison (Advisor: Shi Jin) *05/2014*
- B.S., Double degree in mathematics and physics, Seattle University (Summa cum laude) *06/2008*

Skills

- **Programming Languages:**
  - Fluent in C/C++, javascript/jQuery/CSS, Java, C#/.NET, MatLab, GNU/Linux. Conversational in Emacs Lisp, Android, node.js, AngularJS, Python, SQLite, OpenGL, and FORTRAN.
- **Human Languages:**
  - Native English speaker and conversational in Chinese.
- **Leadership and Teaching:**
  - Taught mathematics courses at UW-Madison for 6 years and mentored students.
  - Leader of a web migration team at Epic.
- **Motivated and Efficient Researcher:**
  - Completed 4 research projects with Ph.D. adviser Shi Jin culminating in a prestigious postdoc offer at Stanford University (declined).

Relevant Experience

- **Software Developer**, Epic Systems, *02/2015 - present*
  - Promoted to team lead role in March 2015.
  - Leads team to create advanced web applications for professional use by Radiologists.
  - Meets directly with customers to discuss software solutions and improvements.
  - Leads a weekly seminar to foster learning and community among the web team.
  - Performs long term planning and formulates strategies for large scale software migration efforts.
  - Optimized the underlying algorithms and the performance of several high impact company wide tools.
- **Company Co-Founder**, Seventh Harmonic LLC, *2013 - 2015*
  - Started from an empty file and collaboratively wrote an original puzzle game, "Bee-Line".
  - Co-founded Seventh Harmonic LLC, an Android game company.
  - Performed market research to make our mathematical number puzzle comprehensible and fun.
  - Available on Google play store: `https://www.playbeeline.com/`
- **Projects and Open Source Contributions**, (Github: `https://github.com/lixiaolan/`), *2013 - present*
  - Developed an asynchronous time-correlated single photon counting based auto-correlation algorithm in collaboration with Dr. Randall Goldsmith.
  - Created Emacs extension which leverages regular expressions to allow "snippets" to be "back-solved" on the fly.
  - Built HTTP server from scratch and deployed recipe management website on top of it.
  - Developed sophisticated tetromino tiling algorithm for recreational and artistic use.
- **Academic Research**, Professor Shi Jin's Group, UW - Madison, *2011 - 2014*
  - Researched high frequency wave propagation with applications in geophysics and imaging.
  - Developed numerical algorithms and code to perform difficult physical simulations.
  - Wrote 4 research papers and gave 3 major invited talks.
- **Professional Teaching**, Department of Mathematics, UW - Madison, *2009 - 2014*
  - Mentored students and led discussion sections in numerous undergraduate courses.
  - Taught the applied math qualification exam preparation course for incoming graduate students.

Selected Honors & Awards

- Promoted to "team lead" position and received three raises/bonuses all in first year at Epic Systems, *2015-2016*
- National Science Foundation Mathematical Sciences Postdoctoral Research Fellowship at Stanford University (declined), *2014*
- John Nohel Prize for outstanding work in applied math at UW - Madison, *2013*
- John Ju Award for an outstanding graduate in science and engineering at Seattle University, *2008*
- Goldwater Scholarship, *2006*

Hobbies

- Open source programming, music composition (piano and guitar), dancing, sketching, literature, travel, surfing and backpacking.