Forrest W. Parker

(541) 250-0061
forrestwparker@gmail.com
Portland, OR

forrestwparker.com
LinkedIn.com/in/forrestwparker
GitHub.com/forrestwparker

Experience Summary:

- Performed full-stack development for a web-based application utilizing C#, HTML, CSS, jQuery, and Razor.
- Wrote original code that produced results upon which proofs to several new mathematical theorems relied.
- Taught several courses required for students pursuing an undergraduate degree in computer science at an accredited university.

Skills Summary:

- Programming/Development: C#, Python, HTML, CSS, JavaScript, jQuery, and GAP
- IDE: MS Visual Studio 2015
- Frameworks: Entity Framework, ASP.NET MVC
- Databases: MS SQL Server 2012, SQLite, MySQL, and T-SQL
- Version Control: Git, GitHub, and TFS

Professional Experience:

Prosper IT Consulting, Portland, Oregon 10/2016 – Present
Full-stack Development Intern

- Worked on a team tasked with developing blueribbonsreview.com (BRR) utilizing the SCRUM project management methodology
- Improved front-end of BRR utilizing HTML, CSS, JavaScript, jQuery, and Razor to improve user experience and provide access to new administrative tools
- Developed back-end of BRR using C# and ASP.NET MVC to implement new administrative functionality
- Modified site database by using Entity Framework code-first migrations
- Wrote functionality capable of retrieving and parsing XML and JSON data from online marketplaces (eBay, Wal-Mart, and others) via the use of REST APIs
- Worked with Team Foundation Server for source control

Forrest W. Parker

(541) 250-0061
forrestwparker@gmail.com
Portland, OR

forrestwparker.com
LinkedIn.com/in/forrestwparker
GitHub.com/forrestwparker

Oregon State University, Corvallis, Oregon 09/2009 – 06/2016
Graduate Teaching Assistant

- Prepared and delivered lectures on a broad range of mathematical topics including combinatorics, graph theory, linear algebra, and others.
- Developed and evaluated student assignments and exams for quality consistent with department and university standards that included evaluating the numerical accuracy, coherency, and appropriate usage of terminology.
- Lead a course for graduate students designed to prepare them for taking the mathematics department PhD qualifying exam.

Student Employee 08/2012 – 07/2013

- Migrated a mathematics textbook source file from one that used multiple formatting languages into one that used only standard LaTeX.
- Searched for and corrected numerous typos and formatting errors.
- Verified the correctness of solutions to all examples and exercises or made corrections when necessary.
- Improved the wording of poorly-phrased examples and exercises.

Education:

- **The Tech Academy**, Portland, Oregon
  Graduated
  Underwent intensive training in a range of courses which included: Fundamentals of Computer Science, HTML, CSS, JavaScript, jQuery, Python, C#, relational database design and management, SQL programming, Visual Studio, .NET, and Version Control usage and concepts.

Forrest W. Parker

(541) 250-0061 | forrestwparker.com
forrestwparker@gmail.com | LinkedIn.com/in/forrestwparker
Portland, OR | GitHub.com/forrestwparker

- **Oregon State University**, Corvallis, Oregon
  PhD Candidate, Mathematics (Degree expected in 2017)
  MSc, Mathematics (2012)
  Completed courses that provided a rich understanding of a wide range of mathematical fields, including real- and complex-analysis, measure theory, group theory, ring theory, field theory, module theory, differential geometry, coding theory, cryptography, probability theory, point-set topology, differential topology, and algebraic topology; Joint research that provided proofs to several new theorems in the area of combinatorial group theory (a preprint of the paper is listed in the publications section), in part which relied on computations made using original code written in the GAP programming language.

- **California State University, Stanislaus**, Turlock, California
  BSc, Mathematics (2008)
  Completed courses that provided a basic understanding a range of mathematical topics, including real- and complex-analysis, set theory, number theory, linear algebra, probability theory, game theory, operations research, group theory, ring theory, and field theory.

Publications and Acknowledgments:

- William A. Bogley and Forrest W. Parker, *Cyclically presented groups with length four positive relators*, arXiv: 1611.05496 [math.GR]

- John W. Lee and Stephen D. Scarborough, *Matrix and Power Series Methods, Fifth Edition*
  Coauthor attribution on the title page and special acknowledgment for work in preparing the manuscript for publication.