

Egan Dunning
Reston, VA
Email: dunninea@plu.edu
Mobile No.: 703-587-0186
Website: egandunning.github.io
github.com/egandunning

ACADEMIC DETAILS

Undergraduate		Year
Pacific Lutheran University:	Bachelor of Science, Computer Science	2017
GPA: 3.61/4.00	Bachelor of Science, Mathematics	2017

FIELDS OF INTEREST

- Software Engineering, Pega, Cryptography, Computer Security, Mathematics

TECHNICAL SKILLS

- **Programming Languages/Script** (Java, Python, JavaScript, C#, C++, R)
- **Web** (NodeJS, Express, HTML5, CSS, Bootstrap)
- **Tools** (Pega, Git, \LaTeX , Eclipse, Vim, Postman, Maven, Visual Studio, Qt)
- **Database** (Oracle, MySQL, SQL Server, MongoDB)

WORK EXPERIENCE AND PROJECTS

- **Pacific Lutheran University - Tacoma, WA**
Math Tutor, September 2015 - May 2017
 - Help college students with homework and studying by explaining concepts and guiding through examples. Topics include linear algebra, calculus and business math.
 - Demonstrate problem solving techniques by walking through all stages of a problem - from understanding the question to completion.
 - College Reading & Learning Association (CRLA) Certified Tutor, level 1.
- **Pacific Lutheran University - Tacoma, WA**
Project - Computer Security Learning Tool, September 2016 - May 2017
 - Cross platform application to teach users about effective passwords and hashing algorithms.
 - Demonstrate password strength with a hash cracking feature - users can input a password and see how long the program takes to crack the password.
 - Factor large numbers to show the security of RSA encryption.
 - Work as a team of three, using Agile software development methods.
 - Written in C++, using the Qt framework.
- **Pacific Lutheran University - Tacoma, WA**
Project - Dice Game Application, February 2016 - May 2016
 - Created a dice game application with a four-person team to learn Agile software development methods, the Git workflow and teamwork skills.
 - Used Java to create a dice game application with MySQL database integration and basic client-server connectivity using RESTful design.

CERTIFICATIONS

- Oracle Certified Associate, Java SE 8 Programmer
- Pega Certified System Architect
- Pega Certified Decisioning Consultant