

# Talis Man Butt

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## Skills

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- Languages** C#, MSSQL, Clojure, F#, Python, Javascript, VB.NET, C/C++  
**Tooling** Git, SVN, Emacs, Jenkins CI, Visual Studio, SQL Server, SQLite, Slack, Trello  
**Libraries** Dapper, NUnit, Moq, SimpleInjector, SQLAlchemy, Flask, LINQ, Ring, Compojure, Hiccup

## Education

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### State University

B.S. IN COMPUTER SCIENCE

*The South*  
Aug. 2012 - May 2016

- 3.94 of 4.00 GPA
- University Tour Guide (Summer 2013)
- Notable Courses:  
Operating Systems, Artificial Intelligence, Programming Languages, Computer Graphics, Virtual Reality, Software Engineering

### State University

B.S. IN MATHEMATICS

*The South*  
Aug. 2012 - May 2016

- President of Math Society (Aug. 2014 - May 2016)
- Undergraduate Research in linear self-maps of the circle.
- Noteable Courses:  
Topology, Advanced Calculus I (Analysis), Modern Algebra I

## Honors & Awards

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- May 2016 **Old Dead Man Outstanding Scholar**, State University *Southern Town*  
May 2016 **Old Dead Lady Endowed Scholarship in Mathematics**, State University *Southern Town*  
Feb. 2015 **1st place**, Local MAA Chapter Student Team Competition *Place A*  
Feb. 2016 **2nd place**, Local MAA Chapter Student Team Competition *Place B*

## Experience

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### Current Employer

SOFTWARE ANALYST I

*Southern Town*  
May 2016 - Present

- Agile TDD C#.NET using Git as a VCS, SQL Server as a DBMS, and TeamCity with Octopus Deploy for CI.
- Rearchitected and translated legacy VB5 billing software.
- Wrote Clojure dashboard for billing software integration tests.
- Administered Linux application servers and setup and maintained Jenkins CI.

### Current Employer

PART-TIME SOFTWARE ANALYST I

*Southern Town*  
Jan. 2016 - May 2016

- Similar to full-time position that came later.
- Developed extensions to Winforms API to use on billing project.
- Gathered specifications from users and developed documentation.

### Local E-Commerce Website

PART-TIME SOFTWARE DEVELOPER

*Southern Town*  
May 2014 - Jun. 2016

- Scrum VB.NET web development using S3, AWS, SVN as a VCS, and SQL Server as a DBMS.
- Developed GDI+ application to power customer-facing customization engine.
- Wrote multi-threaded SMTP proxy service in VB.NET to sit between Exchange and Barracuda.
- Wrote and tuned many T-SQL queries for reporting and product feeds.
- Established rudimentary build pipeline for proper testing and deployment.
- Extended customer-facing VB.NET Webpages application.

### State University Computer Science Department

COMPUTER SCIENCE INTERN

*Southern Town*  
May 2014 - Jul. 2014

- Developed drivers in C to control a pair of stepper motors through the Arduino Leonardo.
- Wrote Python library to control several sensors through the GPIO pins of a Raspberry Pi.
- Created drivers for calibrating and controlling robot using remote controls.
- Authored several documents and videos for assembling and programming a robot to be used in a Freshman-level course.