Adam **Townsend**

FULL STACK DEVELOPER · USABILITY ENGINEER

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Observe. Analyze. Plan. Execute.

Summary ─────────────────────────────────

Owner & Jack of All Trades at Desnudo Penguino Designs. 10+ years of experience in full stack web development, with a recent focus on infrastructure automation and usability engineering. Enjoy working in new problem spaces and interested in finding ways to simplify tasks and workflows and make life easier for everyone.

Work Experience ─────────────────────────

IEKO   *Spokane, WA (Remote)*
CONTRACT DEVELOPER   *Oct - Nov 2018*

- *IEKO*
- Configured WordPress website
- Built a mobile responsive website design based on PSD files
- Tools used: HTML & CSS, JavaScript, WordPress, Adobe Creative Cloud, Adobe Photoshop

Systema Medical   *Spokane, WA (Local)*
CONTRACT DEVELOPER   *Oct 2018 - Present*

- Developed new functionality for a product being developed using TDD principles
- Tools used: HTML & CSS, JavaScript/jQuery, PHP, MySQL, phpUnit, git, gitlab

Talar.io   *Spokane, WA (Local)*
CONTRACT DEVELOPER   *Mar 2017 - Present*

- Maintained and updated website functionality
- Managed server updates and upgrades on Ubuntu 14.04 and Ubuntu 16.04
- Developed and implemented infrastructure automation
- Implemented new serverless site functionality
- Started implementing automated front-end testing
- Worked with Twilio's API to send and receive SMS messages
- Tools used: Ansible, Apache, Asana, AWS resources, BitBucket, CodeIgniter, Git, HTML & CSS, JavaScript/jQuery, Jira, Katalon Recorder, MetaBase, MySQL, Node.js, PHP, Riot/Matrix, Ruby, Shell Scripting, Slack, Stripe, Terraform, Twilio, WordPress

HKW   *Spokane, WA (Local)*
CONTRACT DEVELOPER   *Jul - Oct 2016*

- Worked with HKW on a client project for *International Service Learning(ISL)*
- Built a custom WordPress chat plugin
- Built a custom WordPress plugin functionality to trigger events and automate an internal mailing system
- Fixed other assigned issues
- Implemented a file and database backup
- Tools used: Apache, Git, HTML & CSS, JavaScript/jQuery, MySQL, PHP, Shell Scripting, Trello, WordPress

thingCHARGER   *Spokane, WA (Remote)*
CONTRACT DEVELOPER   *Jan - Jul 2016*

- Maintained and updated internal billing reporting website
- Built an employee access tracking system to manage what users had access to what login information
- Optimized SQL queries to run faster (reducing time from minutes to seconds for many queries)
- Started the group on version control using Git and BitBucket
- Tools used: CodeIgniter, Git, HTML & CSS, JavaScript/jQuery, MySQL, PHP, Slack

Spokane Industries   *Spokane, WA (Local)*
CONTRACT DEVELOPER   *Jun - Sep 2015*

- Updated website with new information
- Discussed migrating current site to Joomla
- Tools used: HTML & CSS

Top Drawer Media

CONTRACT DEVELOPER
Oct 2014 - Present

- *Flootie.com*
    - Migrated from old, outdated server to a new one
    - Managed and updated website
    - Implemented Stripe as a payment gateway
    - Utilized multiple social networking APIs including Facebook, Pinterest, Twitter, and Linkedin to share user content
    - Implemented MailChimp API for email sending
- Managed and upgraded WordPress installations for *Art Chowder*, *Top Drawer Media*, and *Northwest Aerospace News* websites
- Built a new version of FlyFlicker.com (not yet live)
- Built a mailing list management tool for Top Drawer Media magazines: Art Chowder and Northwest Aerospace News
- Tools used: Adobe Photoshop, Apache, BlueHost, Bootstrap, Git, GoDaddy, HTML & CSS, JavaScript/jQuery, MailChimp, MySQL, PHP, Ruby on Rails, SASS/SCSS, Stripe, Vultr, WordPress

Unlucky Sandpiper Company
Rochester, NY & Spokane, WA

CTO & LEAD DEVELOPER
Oct 2013 - Apr 2015

- *Fitin Today*
- Led a team of student developers to build a job search & applicant tracking system during an entrepreneurship course
- Ended up building the same thing using three web frameworks: Ruby on Rails, phpDolphin (now phpSocial), and CodeIgniter
- Tools used: Apache, BitBucket, Bootstrap, CakePHP, Git, Heroku, HTML & CSS, JavaScript/jQuery, PHP, phpDolphin, PostgreSQL, Ruby on Rails, Stripe

Rochester Institute of Technology
Rochester, NY

GRADUATE RESEARCH ASSISTANT
Mar - Oct 2013

- Developed CMS/API to manage data for mobile tourism iOS app
- Tools used: BitBucket, Bootstrap, Git, Heroku, HTML & CSS, JavaScript/jQuery, PostgreSQL, Ruby on Rails

Rochester Institute of Technology
Rochester, NY

GRADUATE TEACERS ASSISTANT
Aug 2010 - May 2013

- Tutored and assisted students in and out of the classroom for C++, HTML & CSS, Java, JavaScript, MySQL, PHP, and Usability Engineering
- Assisted professors in the classroom
- Graded assignments

Carlisle SynTec
Carlisle, PA

WEB INTERN
May - Aug 2010

- Maintained internal websites
- Built Roof Rep. Locator web application
- Worked on SharePoint sites for multiple internal departments
- Tools used: asp.net, Google Maps API, HTML & CSS, JavaScript/jQuery, MS SharePoint

Tyco Electronics
Harrisburg, PA

IT INTERN
May - Aug 2009

- Created video training courses on information sharing technologies
- Edited AV content
- Assisted in setting up, broadcasting, and recording live events
- Analyzed multiple multimedia editing software applications to determine the best one for the department's needs

Carlisle SynTec
Carlisle, PA

WEB INTERN
May - Aug 2008

- Maintained internal websites
- Developed an interface to present manufacturing metrics at a local plant
- Updated the interface of an internal business card creation application
- Tools used: ASP.NET, ColdFusion, Flash, HTML & CSS

RIT NPPA
Rochester, NY

WEB DEVELOPER
Mar - May 2008

- Updated website layout and content
- Tools used: HTML & CSS

Carlisle SynTec
Carlisle, PA

WEB INTERN
May - Aug 2007

- Built and maintained an internel health and culture website
- Updated websites for multiple clients
- Tools used: Adobe Photoshop, HTML & CSS

Other Projects

Expense Tracker

Rails based expense tracking tool with Vue front end

Spokane, WA

Jun 2018 - Present

- *GitHub*
- Designed and built a tool to track line-item expenses over time
- Implemented front end interface using Vue.js
- Implemented back end as two parts, an API and traditional website
- Tools used: Ruby, Ruby on Rails, HTML & CSS, JavaScript/jQuery, CoffeeScript, SQLite, Webpack, RSpec, Yarn

Puma

Ruby on Rails web server

Spokane, WA

Mar 2018

- *GitHub*
- Added tools to run Puma as a service on FreeBSD

YACFR

Yet Another Crypto Faucet Rotator

Spokane, WA

Oct 2017 - Present

- *YACFR*
- Designed and built YACFR to be a simple cryptocurrency rotator providing maximum results for users
- Implemented infrastructure automation to manage services
- Tools used: Ansible, FreeBSD, Git, HTML & CSS, Javascript, NGINX, Postgresql, rbenv, RSpec, Ruby on Rails, SASS/SCSS, Terraform, Vultr

Work Logger (WL)

Custom shell-based time-tracking script

Spokane, WA

Feb 2016 - Present

- *GitHub*
- Wrote a custom shell script utilizing tmux sessions to track time spent on projects and produce PDF invoices
- Tools used: LaTeX, mandoc, Shell scripting, tmux, vim

Brick City Tours

HCI Research Project

Rochester, NY

Aug 2012 - Mar 2013

- *Blended Interactions*
- Worked with a group of multidisciplinary graduate students to design and build a mobile blended-space interface for virtual tourism

FTIR Touch Screen

HCI Independent Study

Rochester, NY

Mar 2011 - Dec 2012

- Designed and built a FTIR based multi-touch table surface to interact with a Windows desktop computer

Evaluation of RIT's University Website

Usability Testing

Rochester, NY

Mar - May 2011

- Worked in a team to design, write, and run a quantitative usability test on RIT's University Website
- Presented results to staff and offered suggestions to improve website usability

Home Chef

Usability Engineering

Rochester, NY

Mar - May 2011

- Worked in a team from ideation to testing of a "wizard of oz" prototype of an interface
- Built a gesture and voice interactive cookbook

RIT Just Press Play

College life, gamified

Rochester, NY

Oct 2010

- Tested web interface and fixed issues
- Tools used: HTML & CSS, JavaScript/jQuery

Photomeister

BS Capstone

Rochester, NY

Mar - May 2009

- *GitHub*
- Designed and built a photographer-based image portfolio website
- Tools used: FreeBSD, HTML & CSS, JavaScript/jQuery, PHP, PostgreSQL

Computers

General Experience

Everywhere

1998 - Present

- Built, repaired, and modded many desktop, server, and laptop computers
- Involved in the Bitcoin/Cryptocurrency community
- Experience with Windows, MacOS, Linux, and Free/OpenBSD
- Involved in *World Community Grid*
- Ranked overclocker on *HWBOT*

Education

Rochester Institute of Technology
Rochester, NY

M.S. IN HUMAN-COMPUTER INTERACTION
Aug 2010 - May 2014

- Explored topics in Usability Engineering, Usability Testing, Agent-based modelling, Multimedia, and Machine learning

Rochester Institute of Technology
Rochester, NY

B.S. IN INFORMATION TECHNOLOGY
Aug 2005 - May 2010

- Concentrated in Web Development, Database Administration, and Instruction Design
- Liberal Arts concentration in American Sign Language

Carlisle High School
Carlisle, PA

Aug 2002 - Jun 2005

- General courlework, AP Calculus A, AP Computer Science, AP German

Extracurricular Activity

Operation Code
Spokane, WA (Remote)

MENTOR
June 2018 - Present

- Mentored and worked with Active Duty and discharged memebers of the military pursuing carreers in computer fields
- Regularly participated in group and one-on-one conversations about different subjects
- Helped members troubleshoot issues they were encountering in projects they were working on

RIT FOSS
Spokane, WA (Remote)

MEMBER
June 2017 - Present

- Participated in discussions with professors and students from The Rochester Institute of Technology on subjects concerning Free & Open Source Software and many subjects surrounding it.
- Reviewed PRs for projects that are part of the organization
- Resident BSD expert