Patrick Reinhard Ludwik Kage

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Experience

MIT Space Telecommunications, Radiation, and Astronomy Lab

(June 2015 – August 2015)

Research intern with the MiRaTA microsatellite team, developed a web dashboard to monitor and control the satellite (using Flask/Python) and a task scheduler monitor for the microsatellites RTOS.

NASA Jet Propulsion Laboratory

(June 2015 – August 2015)

Created software for NASA's Jet Propulsion Lab to help to identify existing spacecraft buses to fit proposed mission payloads by meeting user-specified constraints (like cost, power, etc.).

Education

High School
(2013 – present)
Choate Rosemary Hall
Senior, Class of 2016

Achievements

Johns Hopkins Center For Talented Youth
(2009 – present)

Honors award

Courses taken: Robotics, Inductive and Deductive Reasoning, Cryptology, Computer Science, Electrical Engineering, and Fast Paced HS Biology

Founder and President of Choate's Programming Club (CPU)
(2013 – present)

Aims to teach programming – meets weekly

Over 100 members

Caused 10 fold increase in computer science credits at Choate (<20 to 200+ per year)

Awarded $1000 grant from Google in 2014

She++ Fellowship Award, Stanford University
(April 2014)
Talked at panels in Stanford University, Google's Mountain View office, Facebook's Menlo Park office, and Microsoft's Palo Alto office

Addressed diversity in computer science

Stanford Continuing Studies Program (iOS Application Development Course)

(June 2014 – July 2014)

Learned to create applications targeting iOS using Objective-C & iOS SDK

Summer course at MIT

Choate Rosemary Hall Award for Achievements in Advanced Computer Science

(June 2015)

Awarded for excellence in computer science

Harvard University Secondary School Program

(Summer 2010 - Summer 2011)

Took Global Health, Cryptology, Quantum Physics, Modern Physics, and Web Design.

Skills	**Programming Languages**
	C/C++
	Python
	HTML/CSS/SCSS
	Javascript
	Java
	Bash (scripting)
	Frameworks
	Meteor (Javascript)
	React.js (Javascript)
	Flask (Python)
	SFML (C++)
	Boost (C++)
	Bootstrap (HTML/CSS)
	Materialize (HTML/CSS)
	SQL (database)
	Mongo (database)
Interests	Computer Science, Medicine, Aerospace
References	References are available on request.